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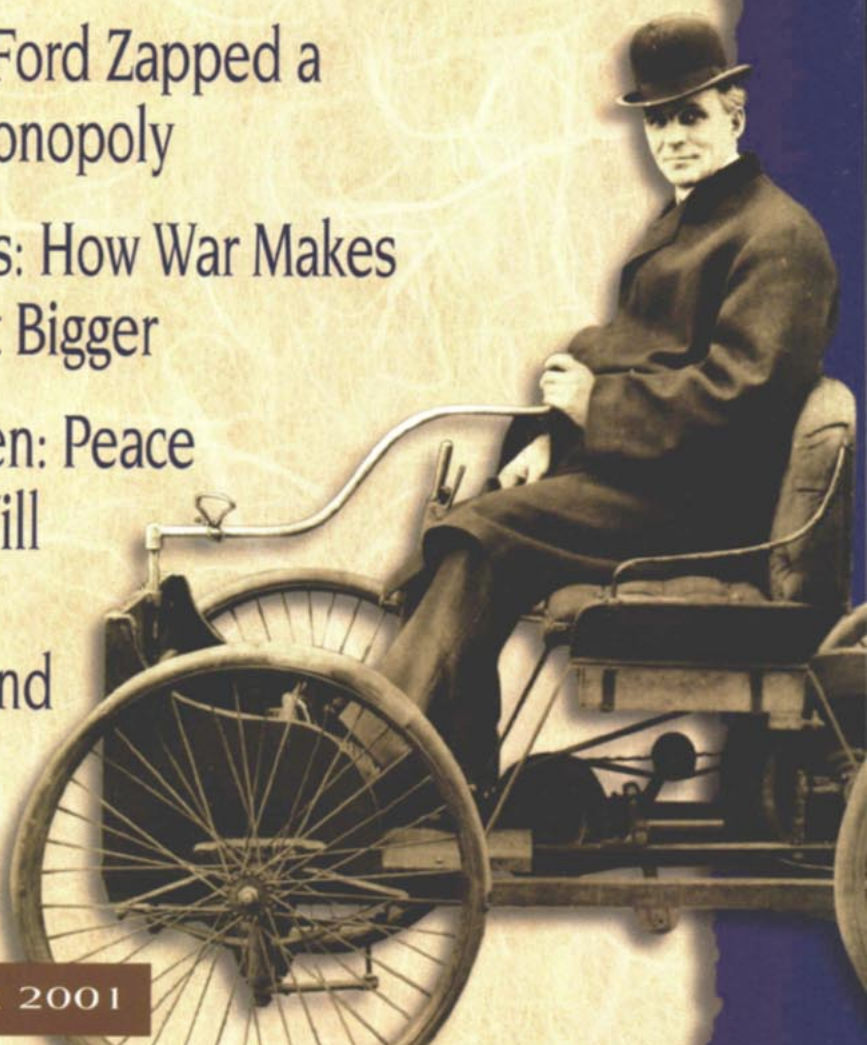

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December 2001 Vol. 51, No. 12

FEATURES

Henry Ford

8 **How Henry Ford Zapped a Licensing Monopoly** *by Melvin D. Barger*

15 **Socialized Medicine Is the Problem** *by Walter Block*

17 **The Importance of Feedback** *by William Conerly*

22 **Wire and Rails: Comparing the Web and Railroads** *by Larry Schweikart*

29 **How War Amplified Federal Power in the Twentieth Century** *by Robert Higgs*

33 **No Yahoo! for New Shareholder Plan** *by Gary M. Galles*

37 **Knut Wicksell: A Sesquicentennial Appreciation** *by Richard M. Ebeling*

COLUMNS

Commodore Vanderbilt

4 *FROM THE PRESIDENT'S DESK*—**Peace on Earth, Good Will Toward Men—Through Capitalism and Freedom!** *by Mark Skousen*

13 *IDEAS and CONSEQUENCES*—**Don't Expect Much From Politics** *by Lawrence W. Reed*

20 *POTOMAC PRINCIPLES*—**Let Our Allies Defend Themselves** *by Doug Bandow*

27 *PERIPATETICS*—**Tethered Citizens** *by Sheldon Richman*

35 *ECONOMIC NOTIONS*—**Energy Production versus Conservation** *by Dwight R. Lee*

43 *THOUGHTS on FREEDOM*—**The Ultimate Externality** *by Donald J. Boudreaux*

53 *THE PURSUIT of HAPPINESS*—**America and "the World's" Resources** *by Russell Roberts*

DEPARTMENTS

2 **Perspective—Imperfect Knowledge** *by Sheldon Richman*

6 **Terrorism Is Good for the Economy? It Just Ain't So!** *by Roy Cordato*

45 **Book Reviews**

It Didn't Happen Here: Why Socialism Failed in the United States by Seymour Martin Lipset and Gary Marks, reviewed by George C. Leef; **Microfoundations and Macroeconomics: An Austrian Perspective** by Steven Horwitz, reviewed by Gene Callahan; **Education in a Free Society** by Tibor Machan, reviewed by Karen Y. Palasek; **When in the Course of Human Events: The Case for Southern Secession** by Charles Adams, reviewed by Joseph R. Stromberg; **One Market Under God: Extreme Capitalism, Market Populism, and the End of Economic Democracy** by Thomas Frank, reviewed by Brian Doherty; **Rolling Back the Market: Economic Dogma and Political Choice** by Peter Self, reviewed by Michael D. Mallinger.

55 **Annual Index**

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Cover: Henry Ford seated in Quadricycle, 1910. From the collections of Henry Ford Museum & Greenfield Village.

PERSPECTIVE

Imperfect Knowledge

Three economists have won the Nobel Prize in economics for studying the "asymmetric" (uneven) distribution of information in markets. The winners are Joseph Stiglitz of Columbia University, George A. Akerlof of the University of California at Berkeley, and A. Michael Spence of Stanford University.

As the prize committee and various commentators see it, Stiglitz, Akerlof, and Spence deserve the honor for recognizing that markets, contrary to the textbooks, do not consist of people possessing perfect knowledge about the future and one another. Some people know more than others. A used-car seller likely knows more about a car than a prospective buyer does. Someone buying medical insurance likely knows more about his health than the company does. As the *New York Times* put it, "Their theories incorporated 'imperfect information' into economics—a concept at odds with the mainstream view that markets are all-knowing and self-correcting."

But that's not all they did, according to the commentators. Alan Krueger of Princeton University said, "The three of them really pioneered the view that markets, when confronted with imperfections, may not be the best way to allocate resources."

And what might be a better way? The government, presumably. And since imperfect information is ubiquitous, the role for government is comprehensive. Professor Stiglitz has taken just such a position with only occasional qualifications.

There are a few problems with all this. The trio did their separate work in the 1960s and '70s. Yet neoclassical economics has been under attack for its assumption of perfect knowledge for a lot longer than that. From the very beginning, the Austrian school put uncertainty and error at the very center of economic theory. After all, if one is trying to describe how real people grapple with the real world, one must take ignorance into account as thoroughly as one does scarcity.

Carl Menger's path-breaking *Principles of Economics* (1881) did so. The same goes for

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Ludwig von Mises, who wrote in *Human Action* (1949, but based on earlier work), "The uncertainty of the future is already implied in the very notion of action." And for F.A. Hayek, who in the 1930s and '40s published articles titled "Economics and Knowledge" and "The Use of Knowledge in Society," it is precisely the *absence* of the "given data" of which neoclassical economics is so fond that is the key to understanding markets as we actually encounter them. The "knowledge problem" was central to Hayek's elaboration of Mises's critique of socialism in the 1930s and to Hayek's own pioneering work on markets in the 1940s. (Hayek's Nobel prize in 1974 was partly in recognition of his work on the knowledge problem.)

Stiglitz, Akerlof, and Spence are indeed neoclassicals-come-lately.

Moreover, the neoclassical attempt to catch up to the Austrians has been half-hearted. For those who wish to see why, read Esteban Thompson's *Prices and Knowledge: A Market-Process Perspective* (Routledge, 1992), based on his dissertation written under Israel Kirzner, whose own work on entrepreneurship has always incorporated the phenomenon he calls "utter ignorance" and the profit-driven effort to dispel it.

Finally, there are the policy implications of the work of Stiglitz et al. We are asked to believe that since the economy is riddled with ignorance, government can be better at allocating resources than markets. But markets are people (with an incentive to seek out the information they need). Just who will be staffing those government bureaus?

* * *

It's well known that Henry Ford overcame large odds to launch a great automobile company that catered to the average consumer. What is less well known is that he had to overcome a formidable legal obstacle as well. Melvin Barger tells the story.

Virtually all government policy directed at health care is premised on the notion that the law of economics doesn't operate in that realm. Walter Block, a part-time resident of Canada, knows better.

The concept of "feedback" is critical both in the micro and macro sense—that is, from the factory floor to the economy at large. William Conerly tells us why.

The recent hard times for Web-related high-tech firms have prompted comparisons of that industry to the nineteenth-century railroads, which were said to have been "built ahead of demand." Those comparisons miss the mark, according to Larry Schweikart.

In response to the atrocities in New York and Washington last September 11, the U.S. government is prosecuting a war in Afghanistan and promises long-term operations against perpetrators and enablers of terrorism elsewhere. The demand for justice, however, should be tempered by a realization that any war is costly in terms of liberty at home. To that end, we reprint an article that Robert Higgs wrote for *Ideas on Liberty* (then known as *The Freeman: Ideas on Liberty*) in 1999 during the war in Serbia.

When a corporation announces a shareholder protection plan that causes the stock price to drop, something is awry. Gary Galles looks at the case of Yahoo! and how the courts compromise the rights of owners.

This month marks the 150th anniversary of the birth of the great Swedish economist Knut Wicksell, who influenced the Austrian school's view of the business cycle. Richard Ebeling contributes an appreciation of this seminal thinker.

Have we got columns this month! Mark Skousen praises religious diversity. Lawrence Reed says we shouldn't expect much from politics. Doug Bandow reevaluates American security guarantees to Australia. Dwight Lee ponders how much energy to conserve. Donald Boudreaux examines an overlooked externality. Russell Roberts can't find signs of American piggishness. And Roy Cordato, seeing commenators proclaiming a bright side to terrorist destruction, protests, "It Just Ain't So!"

In the book department, our reviewers report on new offerings dealing with why socialism as a movement failed in the United States, Austrian macroeconomics, education, the Civil War, and critiques of capitalism and liberalism.

—SHELDON RICHMAN

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From The President's Desk

by Mark Skousen

Peace on Earth, Good Will Toward Men—Through Capitalism and Freedom!

"A great multitude of religious sects . . . might in time [become] free of every mixture of absurdity, imposture, of fanaticism."
—Adam Smith[1]

In this time of thanksgiving and holiday cheer, we here at the Foundation for Economic Education wish everyone peace, prosperity, and happiness. Leonard Read, our founder, wrote that freedom of choice is one of the essential agents of peace and harmony. According to Read, true freedom means practicing the Golden Rule and preserving the God-given rights of the individual as declared in the Declaration of Independence. "Everyone is completely free to act creatively as his abilities and ambitions permit; no restraint in this respect—none whatsoever."[2]

The latest edition of the *Index of Economic Freedom*, published by the Heritage Foundation and the *Wall Street Journal*, shows that many parts of the world are "mostly unfree" or "repressed," as judged by the level of corruption, taxation, protectionism, inflation, black markets, and government interventionism. Of the 155 nations surveyed, over half (81) receive a negative grade. Most telling, the area of the world with the highest concentration of "repressed" freedom is the Middle East, particularly Iran, Iraq, and Libya (Afghanistan was not ranked).[3] Judging from recent events, the Middle East confirms Read's thesis. Most of the Arab world continues to suffer from economic dislocation, political turmoil, and military conflict. "When the wicked rule, the people mourn" (Proverbs 29:2). Henry Hazlitt summed it up well: "It is socialist governments, notwithstanding their denunciations of imperialist capitalism, that have been the greatest source of modern wars."[4]

Commerce and Trade Breaks Down Barriers—and Intolerance

The Middle East is also known for dictatorships and religious intolerance. It seems that economic repression goes hand in hand with political and religious repression, just as economic freedom leads to political and religious freedom.[5] Montesquieu, Adam Smith, and other classical-liberal thinkers made the case that liberalized trade and the spirit of capitalism break down cultural and social monotheism and destroy fanaticism and intolerance. Montesquieu saw many virtues in *doux commerce*, stating that the pursuit of profit-making serves as a countervailing bridle against the violent passions of war and abusive political power. "Commerce cures

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destructive prejudices," Montesquieu declared. "It polishes and softens barbarous mores. . . . The natural effect of commerce is to lead to peace."[6] Adam Smith seconded Montesquieu and taught that the commercial society moderates the passions and prevents a descent into a Hobbesian jungle.

Business encourages people to become educated, industrious, and self-disciplined. As economist Albert Hirschman observes, "The spirit of commerce brings with it the spirit of frugality, of economy, of moderation, of work, of wisdom, of tranquility, of order, and of regularity."[7] Business people are the ultimate in practicality—they are by nature compromisers and tolerant of other viewpoints. They will wheel and deal to sell and produce a product. As John Maynard Keynes once said, "It is better that a man should tyrannise over his bank balance than over his fellow-citizen."[8]

The Case for Religious Competition

The Middle East is also famous for its lack of religious freedom and diversity. A few Protestant Christians live and worship there, but proselyting is prohibited, even in Israel. Egyptians are divided into only two Muslim sects; there are virtually no Jews in the country, and no missionaries. Islamic fundamentalists hate the West's idea (as expressed originally by John Locke) of a free religious society where churches compete for members. According to Andrew Sullivan, America has achieved "one of the most vibrantly religious civil societies on earth," and America "is living, tangible rebuke to everything they [Taliban and bin Laden] believe in."[9]

Adam Smith contends that a state religion breeds fanaticism, intolerance, and persecution. There are numerous examples of holy wars waged by state-supported Christianity, Islam, and other religions that demonstrate Smith's thesis. But Smith goes further. He argues that creating a free, competitive environment in religions would be beneficial. Natural liberty, he said, favors "a great multitude of religious sects" which would generate interest in religion and encourage higher attendance at church. "In little religious sects, the morals of common people have been almost remarkably regular and orderly: generally much more so than in the established church."[10] According to Smith, religious competition would reduce zeal and fanaticism and promote tolerance, moderation, and rational religion.

In short, a good dose of open markets and competition in all walks of life could go a long way toward bringing peace, prosperity, and good will in this dangerous part of the world. Until that happens, many will shout "peace, peace, when there is no peace" (Jeremiah 8:11). □

1. Adam Smith, *The Wealth of Nations* (New York: Modern Library, 1965 [1776]), p. 745.
2. Leonard Read, *Anything That's Peaceful*, 2nd ed. (New York: Foundation for Economic Education, 1998), p. 30.
3. Gerald P. O'Driscoll, Jr., Kim R. Holmes, and Melanie Kirkpatrick, *2001 Index of Economic Freedom* (Washington, D.C.: Heritage Foundation and the *Wall Street Journal*, 2001), pp. 2, 4.
4. Henry Hazlitt, *The Foundations of Morality*, 3rd ed. (New York: Foundation for Economic Education, 1998 [1964]), p. 339.
5. See Milton Friedman, *Capitalism and Freedom* (Chicago: University of Chicago Press, 1962), chapter 1.
6. Charles Montesquieu, *The Spirit of the Laws* (Cambridge: Cambridge University Press, 1989 [1748]), p. 338.
7. Albert O. Hirschman, *The Passion and the Interests*, 2nd ed. (Princeton: Princeton University Press, 1997), p. 72. I highly recommend this brilliant book. For more discussion of the peaceable nature of capitalism, see Mark Skousen, *The Making of Modern Economics* (New York: M. E. Sharpe, 2001), chapter 1.
8. John Maynard Keynes, *The General Theory of Interest, Money and Employment* (London: Macmillan, 1936), p. 374. Today we might say, "Better that a person tyrannize over his favorite sports team or his favorite stock than over his fellow citizen."
9. Andrew Sullivan, "This Is a Religious War," *New York Times Magazine*, October 7, 2001, p. 53. I highly recommend this article.
10. Smith, op. cit., pp. 747–48.

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IDEAS ON LIBERTY
DECEMBER 2001

Economics

Terrorism Is Good for the Economy?

It Just Ain't So!

Following the disastrous attack on New York, Washington, and our country, the purveyors of economic quackery began spilling gallons of ink in describing how they think the tragedy will affect the U.S. economy. One of the most prominent views to emerge, and also the most wrongheaded, is the idea that the destruction of the World Trade Center (WTC) and all the wealth embodied in it will be good for the economy.

According to Timothy Noah, writing for Slate.com, "[I]n seeking to harm America, terrorists will probably end up making it more prosperous. They can make us die, and they can make us weep, but they can't make us poor."[1] And in the words of economist Larry Kudlow, "[W]e may lose money and wealth in one way but we gain it back many times over when the rebuilding is done." Kudlow states that "in economics, it's called the broken window effect."[2] In fact, Kudlow is not only ignorant of economic theory, he is also ignorant of economic terminology. The "effect" that he describes is actually known as the "broken window *fallacy*"—from the destruction of wealth comes prosperity. It is the same ignorance of economics that leads some to conclude that wars are good for economies.

The "broken window fallacy" stems from the observation that when wealth is destroyed, through war, natural disaster, or, as told by nineteenth-century French economist Frédéric Bastiat, a hoodlum throwing a brick through a shop window, it is usually replaced. As the story goes, in replacing this destroyed wealth, jobs are "created." Money is spent on hiring construction workers, plumbers, electricians, glaziers (in Bastiat's original story), and so on. In turn employment and economic activity are stimulated in all the industries *those* people do business with, and so on. This is why Kudlow concludes that from the ashes of the WTC we will gain back the lost wealth "many times over" and Noah concludes that we will actually end up being "more prosperous." In the case of the WTC and Pentagon disasters, the impetus for all this economic growth will not only come from the private sector but from the government as well. According to Noah, "we live in a very wealthy nation that responds to horrible disasters by spending large sums of money. In this case, the spending will come from both the private insurers and from the federal government's Federal Emergency Management Agency" (FEMA).[3]

The Fallacy

The problem with this argument is that it ignores what economists call opportunity costs. The entire analysis assumes that all the money and resources which must go into rebuilding the WTC and the Pentagon would, had the terrorists not been so kind as to destroy these buildings, have lain idle. Of course this is a ridiculous assumption. All the money and resources—the lumber, steel, oil, labor, human capital, and more—would have gone elsewhere in the economy.

Consider the massive sums that insurance companies must now pay in claims. Those funds would not have been left in a mattress somewhere. That money would have been invested in the insurance companies' portfolios of stocks and bonds. This means that it would have been used in productive ways somewhere else: building new homes or financing new business expansion or new research into life-saving drugs. This

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investment and the resulting improvements in our lives are now lost as a result of the terrorist attacks.

The same is true with any money that is spent by FEMA or other government agencies. Taxpayers, if allowed to keep that money, would be spending it on themselves or their families, or saving and investing it. In either case, the money would be going toward other productive uses that would be stimulating growth in the economy. It is truly goofy economics to assume that if bureaucrats don't use the money, the people from whom they must first take it would be doing nothing with it.

Indeed, that is the fallacy. It assumes that if people and resources weren't employed in fixing the broken windows and the blown-up buildings, they would be unemployed. In reality, if the windows didn't have to be fixed and the buildings rebuilt we could have more buildings, more windows, and more of all of the products that we desire and that make our lives better. The true absurdity of the "broken window fallacy" is that if it were true we could make the entire economy wealthy by constructing buildings, blowing them up, and then rebuilding them.

Discounting Human Productivity

In this particular situation, where many thousands of obviously productive and hard-working people have lost their lives, invoking the broken-window fallacy has implications that are somewhat different from the typical natural disaster. Even if the analysis of those who claim that the destruction of wealth brings more wealth had merit, at the very least it would depend on having the ability to replace what was lost. But what was lost in this terrorist attack was not just physical capital, like tall office buildings, but massive amounts of human capital. Kudlow and Noah, in their assessment of the situation completely discount the future productivity of those whose lives were lost. This is productivity that is gone forever. It is human capital that can never be rebuilt and that would have been productive for many years to come. To say that the economy will be better off because of the terrorist attack is equivalent to saying that the economy will be better off without these thousands of human minds and bodies and their productive output.

The destruction of wealth can never be good for the economy, whether the destruction occurs through natural disasters, terrorists, or hoodlums. And certainly war, which is clearly the most destructive force invoked by man, should never be considered a conduit for economic growth. Resources used to replace destroyed wealth are resources that cannot be used to create additional wealth. To invoke this broken-window fallacy is to ignore both economic and human reality. □

—Roy Cordato
(rcordato@johnlocke.org)
John Locke Foundation

1. Timothy Noah, "Will Terrorism Resuscitate the U.S. Economy?" at http://slate.msn.com/code/Chatterbox/Chatterbox.asp?Show=9/12/2001&idMessage=8279.
2. As quoted in David Seifman and Lisa Marsh, "N.Y. Urges Bizmen: Stay!" *nypost.com*, September 17, at www.nypost.com/business/2229.
3. Noah.

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IDEAS ON LIBERTY
DECEMBER 2001

How Henry Ford Zapped a Licensing Monopoly

by Melvin D. Barger

More books have been written about auto pioneer Henry Ford than any other person in the car business. Though he had critics, the judgment of history is that he put the world on wheels with his famous Model T. But less well known is the fierce independent streak that led him to wage a lone and heroic battle for the right to run his own business. It was a struggle against the kind of people who think they should have the power to determine what's best for the rest of us. They were private businessmen, but they were also smug social planners who counted on the assistance of the state.

One of the persistent delusions nourished by social planners everywhere is that elitists in high places can divine who will be the winners and losers in any developing industry. Sometimes called "industrial policy," this was touted as the secret of Japan's economic success until that country's fortunes went sour in recent years. Whether done by government officials or private firms with policing powers, any such planning is a bad idea.

But we don't have to go to present-day Japan for proof of such failure. At the very beginning of the American auto industry, a group of carmakers made a blatant attempt to establish an industrial policy for their own benefit. In the guise of protecting the public from "unreliable upstarts" and "fly-by-nights," they formed the Association of Licensed Automobile Manufacturers (ALAM) in 1903. The industry was in its infancy, but there were already complaints about some of the crude entrepreneurs who were entering the field. The 11 car manufacturers who formed the ALAM promised to tidy things up a bit.

Their weapon was the 1895 Selden patent, and their claim was that it covered all gasoline-powered vehicles. By controlling this patent they asserted the right to decide who should be allowed to build and sell cars. Carmakers who didn't join the ALAM and pay royalties on each car sold could be sued and possibly forced out of business.

Like many such groups, it professed to be combining for the public's own good. As one of the members said of the ALAM, "It will not try to shut out reputable and established manufacturers who build a reliable vehicle; it will license all such, but it will license no unreliable upstarts. In this way the association will protect the public and be a boon to all purchasers of gasoline automobiles." Another auto manufacturer stated: "Those already licensed can more than supply the demand."[1]

With this form of industrial policy established, the ALAM was now positioned to choose the winners and losers for the future auto industry. And one of the first applicants to be refused a license was a known loser, Henry Ford. At 40, he was broke and appeared to be all washed up. His fledgling Ford Motor Company, formed on June 16, 1903, showed many signs of being the kind of

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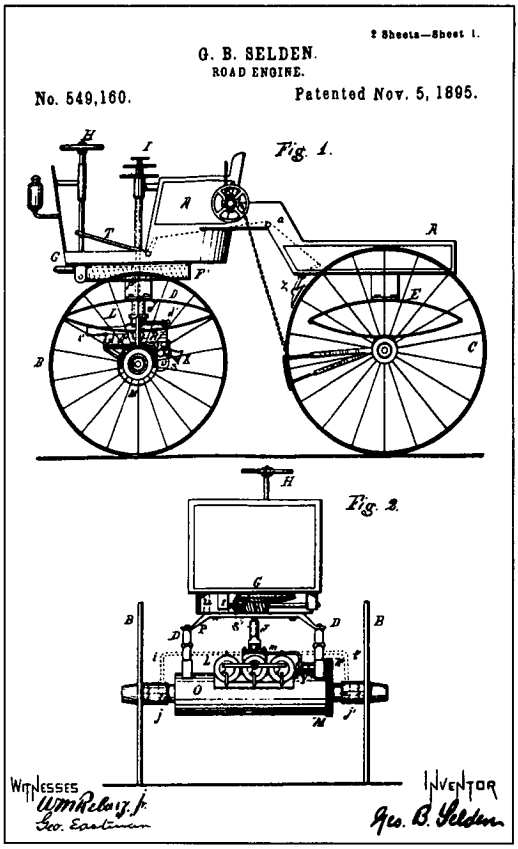
"unreliable upstart" the ALAM sought to exclude from business. It was poorly financed, and paid-in capital of $28,000 had been nearly exhausted in its first month of operation. Ford himself had headed one failed automobile company and was eased out of another before persuading some investors to back him for a third try. Any rational observer would have called it a high-risk venture. So when he applied to the ALAM for a license, he was turned down on the grounds that he was only "an assembler," not a true manufacturer.

The rejection was the organization's way of telling Ford that he had no right to be in business. But after he was turned down a second time, he moved ahead to build and sell his own cars without a license. So the ALAM reacted by attacking him in newspaper advertising and then filing lawsuits, apparently in the hope of forcing him to quit.

But Ford and the free market for automobiles had other plans. At a time when most cars being built were expensive rich men's toys, he wanted to build low-priced vehicles for average-income people, making the car a "necessity rather than a luxury." It worked, and far from failing, Ford built and sold 1,700 cars profitably in his first 15 months of business. This was only a beginning, and in little more than ten years he would be building 300,000 vehicles yearly, more than half of all the motor-vehicle production in the United States. Along the way, he gathered the resources and support he needed to carry on his battle with the ALAM and the Selden patent.

It was not an easy victory, however, and the struggle went on from 1903 until 1911. At some point early in the fight, Ford probably could have negotiated a peace treaty with the ALAM, but that would have violated his principles. The definitive book on the Selden case is William Greenleaf's *Monopoly on Wheels*. As Greenleaf wrote, "'What is the greatest thing in the world—your greatest ambition?' Ford was once asked. 'To be free—a free man,' he shot back. . . . Ford knew that he could not be free so long as the Selden patent clouded the destiny he had marked out for himself."[2]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G. B. SELDEN.

ROAD ENGINE.

No. 549,160. Patented Nov. 5, 1895.

Fig. 1.

Fig. 2.

WITNESSES

INVENTOR

Geo. B. Selden

Selden patent

The shameless arrogance of the ALAM had also aroused his ire. By rebuffing him, Greenleaf noted, the ALAM had disparaged Ford's ability as a designer and builder of automobiles. Greenleaf added, "By the time the Selden challenge arose, Ford had devoted almost a decade of thought and labor to planning and building motor cars. He jealously prized as a hard-won creation the automobile which bore his name. That car, like those of other automobile manufacturers, owed nothing to the teachings of the Selden patent." Ford himself pointed out that the car was the product of his own brain and no man on earth was entitled to any "rake-off " from that particular car.[3]

The Selden Patent

What was the Selden patent, and how did it give the ALAM what amounted to policing power over the auto industry? It started with George Selden (1846–1922), a patent attor-

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ney in Rochester, New York, and also a sometime inventor. He was apparently a competent attorney and did the early patent work in photography for George Eastman of Kodak fame. Eastman's signature even appears as a witness to the Selden patent.

That was the only impressive thing about Selden's patent. It described an automobile, but later attempts to build a car to the patent's specifications ended in failure. Selden's was a patent for a car that wouldn't run more than a few thousand yards. Yet Selden and his later associates made the broad claim that the patent covered *every gasoline-powered car built*! This was an extraordinary claim, because none of the estimated 300 men who were trying to start car companies borrowed anything from Selden's patent, and the engine shown on his patent drawing was never successfully used on any commercial road vehicle. The only thing the Selden patent had in common with other cars of the day was its specification of gasoline as the fuel.

In processing his patent application, Selden engaged in what is now seen as a form of legal trickery. He made his application in 1879 but then delayed the actual date of issuance by filing amendments every two years. The patent did not go into effect until 16 years after his initial filing. The suspicion is strong that he used the amendment process to delay the starting date until something resembling an auto industry was starting to form. He had no way of knowing what would happen over the 17-year life of the patent, but he must have believed by 1895 that the industry was about to take shape and he would be able to collect royalties from the other manufacturers.

He was certainly right, for things were starting to happen. The automobile had actually been invented in Germany in 1889 by Gottlieb Daimler, with help from Karl Benz and Nicholas Otto's invention of the four-cycle internal combustion engine in 1876. In the 1890s, cars were built in the United States by Charles Duryea and Ransom E. Olds. Then, in 1896, only seven months after Selden had obtained his patent, Henry Ford rolled onto the streets of Detroit driving a strange machine called a Quadricycle. It was a far cry from anything the Ford company builds today, but it did run and it had the effect of making Henry Ford a minor celebrity in Detroit. During the months he drove it, Ford put about a thousand miles on the Quadricycle before selling it for $200. (He later bought it back for $65, and it's now displayed at the Henry Ford Museum in Dearborn, Michigan.)

Ford had displayed considerable ingenuity in building the Quadricycle, and he had even constructed his own gasoline-powered engine. But he was the first to acknowledge his debt to all the inventors and dreamers who had gone before him. "I invented nothing new," he conceded many years later. "I simply assembled into a car the discoveries of other men behind whom were centuries of work, and the discoveries of still other men who preceded them. Had I worked fifty or ten or even five years before I would have failed. So it is with every new thing. Progress happens when all the factors that make for it are ready, and then it is inevitable. To teach that a comparatively few men are responsible for the great forward steps of mankind is the worst sort of nonsense."[4]

It's highly unlikely that Ford or most of the other auto pioneers even knew about the Selden patent as they forged ahead with their plans. They would have quickly dismissed it because it contained nothing that they could or would use in designing and building their own cars. Selden had even committed the grave error of mounting the engine directly on the front axle. Even if the type of engine he specified had been suitable for cars, such a design wouldn't have survived more than a few miles of rough travel. So for the first few years, the Selden patent lay quietly in the files with no takers to manufacture Selden cars and thus pay the inventor a royalty.

Out of Obscurity

But in 1899 some strange things occurred that would bring the Selden patent out of obscurity and initiate one of the most celebrated cases in patent history. A Wall Street syndicate headed by financiers William C. Whitney and Thomas Fortune Ryan gained control of a firm called the Electric Vehicle

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COURTESY AUTOMOBILE MANUFACTURERS ASSOCIATION

George Selden (1846–1922)

Company. For a time it had seemed that there might be a future in electric-powered cars, partly because electric streetcars were performing well. But then as now, the problem was lack of a good lightweight battery with enough charge to do the job. So with electric vehicle sales plummeting, the firm's resourceful manager came up with the idea of acquiring rights to the Selden patent and then demanding all other manufacturers of gasoline-powered vehicles to pay royalties of 5 percent on each vehicle's retail price. They struck a deal with Selden that gave the inventor an initial payment and a portion of future revenues. With the patent under control, Electric Vehicle engaged a New York law firm to send out letters warning all manufacturers that they were infringing the Selden patent and should desist or make suitable compensation to the owner thereof.

The notice shocked the industry, and to drive home their point, Electric Vehicle sued several manufacturers, including the prestigious Winton Company of Cleveland. While Winton was fighting back, other manufacturers huddled to develop an answer to the Selden threat. Realizing that they had combined strength, the group met Whitney in New York and put forth three proposals: (a) They would pay a 1 1/4 percent royalty, with half going to Electric Vehicle and the rest to their association; (b) the association would decide who would and would not be sued under the patent; and (c) the association would say who would and would not be licensed under the patent.

Whitney, realizing he had been outmaneuvered by men who could put him to considerable expense in court fees, agreed to their demands, and thus the ALAM was born. The lawsuit against Winton was also dropped, and Winton joined the ALAM, switching from opponent to advocate of the Selden patent.

Some auto builders accepted the ALAM's terms and became licensed manufacturers. But others held out and looked to Henry Ford for guidance as the dispute lingered on for years. In the meantime, attorneys for both sides gathered depositions and took part in hearings as they prepared for trial. The issue was also debated in the press, and considerable sympathy grew for Ford as a David battling the Goliath of organized special interests. A number of the independents who were outside the ALAM were confident that Ford would win the federal court trial, thus invalidating the Selden patent. This would relieve everybody of the need to pay royalties or obtain licenses. It would also deny the ALAM the power to police the industry.

But Ford was in for a surprise that tested his tenacity and determination. The Selden patent case finally came to trial on May 28, 1909, before Judge Charles Merrill Hough in the federal court for the southern district of New York. Ford's attorney had been apprehensive about Judge Hough because the jurist did not seem to understand the technical issues in the case. Hough took all summer to review the evidence and then ruled in favor of the Selden interests—that is, the ALAM—on September 15, 1909. It was a crushing blow for Ford and the independent manufacturers who had hoped the patent would be ruled invalid. Most of them deserted Ford. The most important person to surrender was Billy Durant, who had founded General Motors the year before. He made his peace with the ALAM by joining and paying $1 million in back royalties for the

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car companies now in the GM tent. For most manufacturers, the battle was over, and they reconciled themselves to paying royalties until the expiration of the patent in November 1912.

Ford Holds Out

But not Henry Ford. Though he was now well on his way to great wealth and could have easily paid current and back royalties, he was not prepared to yield anything to the ALAM. Digging in his heels, he backed his legal team in filing an appeal. He was joined by a French company, because the ALAM had also demanded licensing of importers. The appeal was delayed for a time because the Electric Vehicle Company, which actually controlled the Selden patent, had gone bankrupt. The patent was then assigned to another firm and the appeal moved forward.

And now the gods of destiny smiled on Henry Ford. With the three-judge federal appeals court, he finally won vindication. The case opened on November 22, 1910, and the judges handed down their decision on January 9, 1911. They ruled that the Selden patent was valid, *but only for cars made to its specifications*. This was a total victory for Ford, because no working automobile had ever been built to Selden's design. Thus the appeals court actually ruled that no royalties were required of anybody.

Ford was suddenly a national hero. The decision even benefited the members of the ALAM, because they too were no longer required to pay royalties at a time when auto production was beginning to boom, though they undoubtedly felt some regret about having contributed to the $5 million paid in for royalties under the Selden patent. Selden himself had received about $200,000 of that amount, a tidy sum for a design that never added anything to the development of the gasoline automobile.

What lessons can be drawn from the Selden patent case? One lesson is that no elite group, whether government or private, can really determine winners and losers in an emerging industry. (But even if they could, the market should be open to all contenders.)

FROM THE COLLECTIONS OF HENRY FORD MUSEUM & GREENFIELD VILLAGE. P.188.4766

Henry Ford seated in Quadricycle on Broadway, New York City, 1910.

A second lesson is that the market has a mind of its own when it comes to rewarding or punishing specific producers. The eccentric Henry Ford ranked low in the esteem of other early carmakers and was one they wanted to weed out in advance of any actual market test. But with his development of the popular Model T in 1908, he went on to win the largest market of all, while most of his early rivals eventually failed and went bankrupt.

A third lesson is that we should never underestimate the power of a determined person with an intense belief in his own ideas and destiny. Such a person was Henry Ford in his determination to make the car "a necessity rather than a luxury." All he ever needed or wanted was the opportunity to compete freely in the market—and it's to our benefit that a blatant attempt to police him out of business didn't work. □

1. William Greenleaf, *Monopoly on Wheels* (Detroit: Wayne State University Press, 1961), pp. 101–102.
2. Ibid., p. 112.
3. Ibid., p. 113.
4. From a 1934 article in *New Outlook*, quoted in ibid, p. 138. Interestingly enough, these thoughts by Henry Ford parallel the same arguments made by Leonard Read in his classic essay, "I, Pencil," from FEE and online at www.fee.org.

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IDEAS ON LIBERTY
DECEMBER 2001

Don't Expect Much From Politics

The older I get and the more I learn from observing politics, the more obvious it is that it's no way to run a business—or almost anything else, for that matter. The deficiencies, absurdities, and perverse incentives inherent in the political process are powerful enough to frustrate anyone with the best of intentions. It frequently exalts ignorance and panders to it. And a few notable exceptions aside, it tends to attract the most mediocre talent with motives that are questionable at best.

Recently, the ninth child of Robert and Ethel Kennedy, Max Kennedy, flirted with the idea of running for political office. A story in the July 15 *New York Times Magazine* recounted his ill-fated attempt at a stump speech riddled with trite one-liners like these: "I want to fight for all of you. I'll commit myself heart and soul to be the kind of congressman who cares about you. I'll dedicate myself to fighting for working families to have a fair chance. I make you this one pledge: I will always be there for you."

Kennedy's handler pressed him repeatedly for a "take-away message," something of substance that his audience would remember. "What do you want people to take away from it?" he asked several different ways. The would-be candidate stammered and couldn't think of much other than "I'm a nice guy" until finally he admitted, "I don't know. Whatever it has to be."

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Eligible for public office? Certainly, though in this case the subject fizzled out before his campaign was ever lit, and he has presumably found useful work elsewhere. Hundreds just like Max Kennedy get elected every year. But would it ever occur to you to put someone who talks this way in charge of your business? Outside of politics, is there any other endeavor in which such nonsense is as epidemic?

Welcome to the silly side of politics. It's characterized by no-speak, doublespeak, and stupidspeak—the use of one's tongue, lips, and other speechmaking body parts to sway minds without ever educating them, and deceiving them if necessary. The serious side of politics comes afterwards when the elected actually do something, even if—as is often the case—it bears little resemblance to what they promised. It's serious business in any case because it's the part where coercion puts flesh on the rhetorical bones. What makes a politician a politician, and differentiates politics from all other walks of life, is that the politician's words are backed up by his ability to deploy legal force.

This is not a trivial point. After all, in the grand scheme of life there are ultimately only two ways to get what you want. You can rely on voluntary action (work, production, trade, persuasion, and charity) or you can swipe. Exemplars of voluntary action are Mother Teresa, Henry Ford, Bill Gates, J.K. Rowling, and the kid who delivers your newspaper. When someone who isn't elected or appointed to any post in government swipes something, he's a thief. If acting in his capacity as

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a government official, one who might otherwise be thought of as a thief is considered at least by many to be a "public servant." And he's not swiping, he's "appropriating."

Neither Reason Nor Eloquence

No generation ever grasped the meaning of this better than that of America's Founders. George Washington is credited with having declared that "Government is not reason. It is not eloquence. It is force. Like fire, it is a dangerous servant and a fearful master." In other words, even when government is no larger than what Washington wanted and does its job so well as to be a true "servant," it's still "dangerous."

Indeed, it's on this point that all the difference in the world is made. Things that rely on the regular affirmation of voluntary consent don't look at all like those that rest on force. Whereas mutual consent encourages *actual* results and accountability, the political process puts a higher premium on the mere promise or claim of results and the shifting of blame to other parties.

To win or keep your patronage and support, a provider of goods or services must manufacture something of real value. A business that doesn't produce or a charity that doesn't meet a need will quickly disappear. To get your vote, one politician only has to look or sound better than the next, even if both of them would renege on more pledges than they would keep. In the free marketplace, you almost always get what you pay for and pay for what you get. As a potential customer, you can say, "No, thanks," and take a walk. In politics the connection between what you pay for and what you actually get is problematic at best.

This is another way of asserting that your vote in the marketplace counts for so much more than your vote in the polling booth. Cast your dollars for the washing machine of your choice and that's what you get—nothing more and nothing less. Pull the lever for the politician of your choice and most of the time, if you're lucky, you'll get some of what you do want and much of what you don't. And the votes of a special-interest lobby may ultimately cancel yours out.

Some politicians like to rail against a practice in the private sector they call "bundling." If you want to buy a company's computer operating system, for example, you may also have to buy his Internet browser. That's not much different from what happens at your local bookstore: you may only want chapter one, but you've got to buy the whole book. But if "bundling" is a crime, then politics is Public Enemy No. 1. In some elections the options range from Scarface to Machine Gun Kelly. Politics may not be the oldest profession, but the results are often the same.

These important distinctions between voluntary, civil society and coercion-based government explain why in politics the Max Kennedy-types are the rule rather than the exception. Say little or nothing, or say silly things, or say one thing and do another—and your prospects of success may only be enhanced. When the customers are captives, the seller may just as easily be the one who whispers seductive nonsense in their ears as the one who puts something real on their plates.

Like it or not, people judge private, voluntary activities by a higher standard than they do public acts of the political process. That's all the more reason to keep politics a small and isolated corner of our lives. We all have so many more productive things to tend to. □

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IDEAS ON LIBERTY
DECEMBER 2001

Socialized Medicine Is the Problem

by Walter Block

Recently, Canadian Prime Minister Jean Chrétien changed his mind about his country's system of socialized medicine. After long and hard opposition, he now favors a two-tier health system, including user fees and private provision. This makes it all the more important to take another look, not just at the surface of state-run medical care, but at its basic principles.

Ever since Vancouver Canuck hockey player Daniel Sedin jumped the health-care queue with his herniated and ruptured lower back disc, there has been an outbreak of wailing and gnashing of teeth on the part of defenders of socialized medicine. Nor was this the only such high-profile case. About a year ago Grizzlies basketball center Bryant "Big Country" Reeves hurt his ankle and was similarly catapulted to the head of the medical waiting list. But beyond such headline-grabbing cases there are numerous other privileged characters; politicians and bureaucrats and their families and friends with political pull and doctors, nurses, other health-care professionals, and those who can rely on them for favors. This is called "professional courtesy."

Most complaints have focused on the unfairness of a system that allows the privileged to receive medical care within a few days of an injury, while forcing others to wait weeks and even months, if not years. But this is exactly backward. The problem is not that some few people are treated quickly, as they should be. It's that we aren't all dealt with like members of an advanced civilization, where quick service is always the order of the day. We *all* should be treated like paying customers—and if we were, we would be.

Why are there long waiting lines that do not dissipate quickly? In economic parlance, this comes about because demand is greatly in excess of supply. There is no other reason; that is it: supply's falling short of demand is a necessary and sufficient cause of long and enduring queues.

But to answer in this manner is only to put off the inevitable question: why does demand continue to exceed supply in some markets but not in others? Again, the answer comes straight out of Economics 101: a permanent shortage arises and endures if and only if prices are pegged at below-equilibrium levels and kept there through force of law.

Some people think there is something special about medical care. There is not. Yes, if we do not avail ourselves of it, we will be in dire straits. But no less can be said for food, clothing, shelter, energy, transportation—you name it. And economic law, just as in the case of chemistry or physics, is no respecter of how important an industry is to human well-being; it works just the same in medical services as for paper clips or rubber bands. Impose artificially lower prices in a market—let alone vir-

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tually zero prices as in medicine—and you guarantee a shortage.

If any evidence of this phenomenon were needed, it has recently been furnished in three completely separate markets. Rent control pegs rents below market levels; it reduces incentives to supply additional residential rental units and decreases benefits to tenants who economize on space. The energy shortage in California stems entirely from the fact that retail prices are fixed at artificially low levels, thus retarding incentives on the part of customers to decrease their usage, and on the part of potential suppliers to bring more energy to this market.

Last but not least, and most relevant to our present concerns, is the health-care market in Canada. Here, too, consumers are prevented by law from paying prices that reflect the scarcity value of medical services. We do this, of course, out of misguided compassion. But this policy is based on blatant economic illiteracy. Canadians think they can violate economic law with impunity. They cannot.

Our much-vaunted (in coercive socialistic circles, that is) health-care system is predicated on a violation of economic principles. It is built on a foundation of quicksand.

Rescind Socialized Medicine

The only way to enable all citizens to enjoy the benefits now accorded only to a Sedin, a Reeves, or other medically privileged characters, is to completely rescind socialized medicine. It should be privatized and take its place among all other industries (cars, computers, chalk) that contribute mightily to our advanced standard of living, with no queues for anyone, thank you. This step would, with one fell swoop, radically reduce waiting lists and the brain-drain of Canadian doctors and nurses as well. Chrétien's recent conversion is too little too late if we want the health-care system to function as well as these other industries do.

Adam Smith's invisible hand of the market works its magic in every industry known to man. Health care is no exception. Those who take the opposite point of view are responsible for the needless suffering of the sick who cannot get timely help, thanks to medical socialism. This system did not work in the USSR. It cannot function with regard to Canadian health care either. Must we suffer through this for 70 years as the unfortunate Russians did? You don't like queue jumpers? Get used to it. It was part and parcel of the old Soviet system, and there is no way we can escape this if we copy the Soviets in health care.

At this point the critic will retort, "It is not fair to charge people market prices for health care; the rich will be treated better." But that is precisely the point of being rich in the first place. If the wealthy did not get better treatment, what would be the point in trying to amass riches? (And if they didn't try to amass riches, the entire economy would tank, not just health care.) In any case, the better off are *already* advantaged under the present system: they can jump queues in Canada or take their business to the United States.

Another objection: there's nothing for the poor in returning health care to the private sector. Nonsense. The poverty stricken are treated far better in capitalist countries than anywhere else, and medical service is again no exception. Yes, of course, the impecunious have to wait for the well-off to purchase MRIs (many small states in America have more of them than all of Canada does), but when they do, low-income people too can avail themselves of high-tech diagnostics. This is precisely why the poor have color televisions, computers, cars, and more. Had these too, been socialized, they would still be toys reserved for the rich. □

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IDEAS ON LIBERTY
DECEMBER 2001

The Importance of Feedback

by William Conerly

I'm a sucker for factory tours. Though this plant was noisy and humid, I learned a little about extruding plastic film and a lot about the value of feedback. The plastic film made by this firm let ions flow from one side to the other, with nothing else flowing either way. That's all the chemistry that I understood, despite the owner's best efforts to rectify the time I had spent snoozing in high school.

The company's customers specified the quality of the film in terms of defects per roll. The rolls were large, with hundreds of feet of yard-wide film, and the defects were microscopic. The customers were demanding no more than 4,000 defects per roll, and producers had been having difficulty meeting that quality benchmark consistently.

The company I visited had a defect counter. The film came out of the plastic extruder onto a drum. When the drum was full, it was carted over to the defect counter. The film came off the drum, through the defect counter, and onto another drum. The good rolls were shipped, the bad rolls were tossed out. It obviously pained the owner to toss out rolls because of poor quality. But that was the old way, he explained.

Someone had the bright idea of saving a bit of work. The defect counter could be mounted on the outflow end of the extruder, just as the film was going onto the drum. That would eliminate a step in the production process, saving a few minutes of time for each roll. The defect counter was sophisticated in its detection of flaws, but low-tech in its counting of them: it had a mechanical counter, like the ones that are sometimes used to count customers entering a store. Each defect registered with a little "click."

Like anyone would be, the extruder operators were bothered when the clicker started sounding off. Their job was to continuously monitor the conditions inside the machine, such as temperature, pressure, and humidity. Each important condition had its own meter, with a minimum and maximum noted on the dial, and the operators had controls to change these factors. They soon learned that a long series of clicks meant that something was out of line, and they would quickly adjust their controls. Pretty soon the counter was generally quiet. The operators began reacting when they heard just a few clicks. The dials would show that everything was within tolerances, but perhaps not at the ideal levels. After a few months the operators learned that if they reacted as soon as they heard a click, they could reduce successive clicks. They also learned the "sweet spot" on each dial to prevent clicks. It required them to monitor their gauges more closely, but it also made the job more fun. Friendly competition developed to see who would have the fewest defects per roll.

By the time I visited, the number of defects had fallen from 4,000 per roll to less than 20.

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That staggering improvement came about because the operators were getting immediate feedback on their performance. No foreman was berating them to do better. No bonus system offered incentives. They just wanted to do good work, and now they had the feedback they needed to do their jobs well.

Before the defect counter was installed next to the extruder, an engineer might have been able to predict that with excellent operators defects should be as low as 20 per roll. But the operators would have scoffed at the ivory tower approach. "He just doesn't know what it's like to run the extruder all day long," they would likely have said. And they would have been right. It's very difficult to do one's job at the peak level without feedback.

Feedback and the Marketplace

Feedback often sounds like an engineering concept, but it's central to the working of a competitive economy. A business uses various resources to produce a finished product. Is that endeavor worthwhile? If the value of the finished product is greater than the value of the resources used, then the company has created additional value. It's doing something right and should be given positive feedback. In a free-market economy, that feedback is called profit.

Similarly, a company that uses highly valued resources to produce a product that is not highly valued should get negative feedback. It's called a loss.

The case of the plastics extruder is fairly easy. A defect is a defect. It can be counted, and it is tied to the operator's attentiveness. Not all desired results are so easily quantified. The principle of feedback improving quality, however, still applies.

Like many business owners, I find that the best feedback I get is from my profit-and-loss statement. Black ink is good, red ink bad. But feedback is available in more ways than aggregate profits.

Although the bulk of my work is economic research for businesses, I also give speeches to trade associations and other groups. The price I set for my speeches a year ago about matched the value of the time that I put into preparation and presentation. There was no extra value created directly, but I was hoping for some indirect value from the speeches as a marketing tool. That is, I hoped for more consulting projects because of my exposure to more business people. Over time, however, it seemed that all I was getting from the speeches were more speeches. But as a break-even proposition, there wasn't much reason to sell more speeches.

In other words, the feedback suggested that the resources I was putting into the activity just equaled the value of the activity. It wasn't harmful, but neither was it generating extra value.

Then at the suggestion of a professional speaker, I tried raising my price. (Funny that an economist should get pricing information from a motivational speaker, but sometimes an outside opinion helps.) The first feedback I watched was sales level. It turned out that the volume of speeches didn't change. (It is possible that the volume would have grown in the absence of the price increase, but at least it didn't fall.) And the second feedback was significant: the time I was spending giving speeches was definitely more valuable than other possible uses of my time. I was adding value. That feels good in the abstract and especially good in the wallet.

Although we often think that low prices are good, prices that are too low generate improper feedback to producers. They don't realize just how valuable their goods or services are, so they don't produce as much.

Feedback is important not just because it gets us producing the right products at the right prices, but because the world is changing. Demand goes up, demand goes down. Technology improves, the price of key supplies changes, human abilities change, and only a feedback process can get our activities in line with the new reality.

Distorting Feedback

Writing a tribute to feedback may seem as useful as a tribute to gravity or the beauty of rainbows. But feedback can be stymied, to the great detriment of the people who consume and work. In the plastics company it would

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not help at all to muffle the clicker. It would make for a quieter work environment, but product quality would certainly fall. Neither would it help to have extra clicking noises added when there were no defects. That would lead operators to adjust their equipment at the wrong time, possibly lowering quality. In other words, the feedback signal has to be undistorted.

In my business, as in all other businesses, there are various government-mandated distortions of the feedback process. First, the taxes I have to pay on my income tell me that my time isn't very valuable to others. After federal and state taxes are paid, I get only $60 for every $100 that others are willing to pay me. When I compare the value of my time to other people against the value of the time I spend sitting on my boat, the tax system gives me improper feedback. Thus, I spend more time on my boat than I should (which is exactly the conclusion my wife reached without economic analysis).

Price controls on the services I sell would similarly distort the feedback I get; controls would lead me to think that my services were not highly valued. Were I to receive a subsidy, the distorted feedback would indicate the resources I used were not very valuable. Thus I would overuse those resources.

Businesses are going to great lengths to increase and speed up feedback. New information systems are getting data to the employees responsible for the results. At many companies, sales people get immediate information on new orders; corporate buyers get immediate information about what products customers are purchasing; inventory managers get immediate information about what products need to be restocked. The value of feedback has helped fuel a large increase in business's use of information technology.

Unfortunately, we have not been so fast to eliminate the distortions to feedback caused by government interference in the economy. But there is yet one other feedback mechanism at work. Countries whose governments have less involvement in the economy tend to grow faster, making their populations wealthier. That feedback process may come to dominate global economics. That sounds as good as a silent clicker. □

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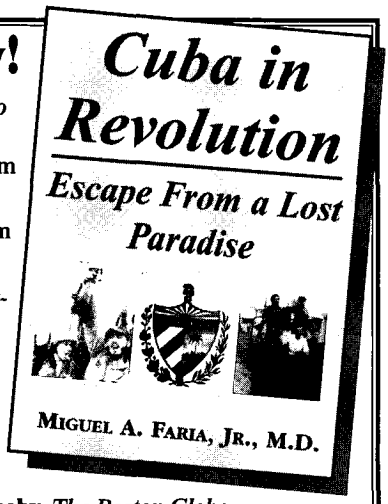

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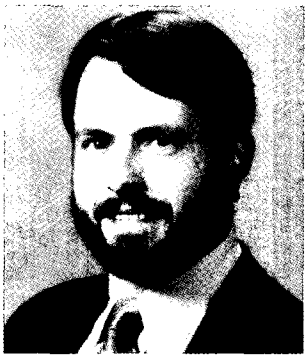
IDEAS ON LIBERTY
DECEMBER 2001



Let Our Allies Defend Themselves

When U.S. Defense Secretary Donald Rumsfeld and Secretary of State Colin Powell visited Canberra for the annual AUSMIN (Australia-US Ministerial) consultations earlier this year, mutterings of disappointment were heard. Peter Hartcher of the *Australian Financial Review* wrote of "a climate of deflated expectations." But it is time for not just Australia, but countries around the world, to expect less of the United States and do more themselves.

American security obligations are breathtaking. The U.S. government maintains 100,000 troops in western Europe, to defend populous and prosperous states from phantom security threats. Washington helps garrison the Balkans, an area never of strategic interest to the America people. That commitment continues to expand, with NATO recently introducing forces into Macedonia.

The Bush administration wants to further expand NATO, bringing U.S. security guarantees ever closer to Russia. Some analysts have even suggested bringing Russia into the alliance, turning Moscow, too, into an American security dependent. The U.S. government has conducted military exercises in the Caucasus, a region where American forces have never before been engaged.

Washington does its best to dictate affairs in Central America, having directly intervened in Grenada, Haiti, Nicaragua, and Panama in recent years. It shows occasional flashes of interest in Africa, blundering into Somalia, for instance. Washington's support for Israel and demand for oil has led to multiple interventions in Lebanon, war against Iraq, and permanent garrisons in Kuwait and Saudi Arabia.

Another 100,000 troops occupy East Asia. In the view of the Clinton administration, at least, they had to remain essentially forever, irrespective of changes in the region. Guarantees, treaties, and informal relationships litter the region. Among the most important are with Japan, South Korea, Taiwan, Philippines, Singapore, Thailand, and Australia.

Some people don't seem to have noticed that the Cold War ended. The Soviet Union and Warsaw Pact are gone. Wretched Soviet Third World surrogates have turned into wretched isolated Third World states. Everywhere the threats have changed, and Western industrialized states are stronger than their potential antagonists.

Of course, a decision to change policy would be considered by some to be arrogant and "unilateral." The latter is the newest term of opprobrium, seemingly replacing isolationist as the insult of choice.

What is really amazing is how seldom the U.S. government is ready to act unilaterally. It subsidizes every international aid agency, participates in almost every international organization, ratifies most all international treaties, and dominates all of the leading military alliances. Other governments routinely act unilaterally when they believe it to be in their

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interest. So, too, should the U.S. government when it is in the American people's interest.

Ultimately, Washington owes loyalty to the citizens of America, not to those of Japan, Germany, Uzbekistan, Kosovo, or Australia. The lives of people abroad are no less valuable than those of Americans, but the primary duty of the U.S. government is to serve the latter. It is under no obligation to put the interests of other states or people first. Especially when they are able to advance their own interests.

So it is with AUSMIN. Washington has good reason to act unilaterally and transform the alliance into a much looser cooperative relationship.

For what purpose does the alliance exist?

The precursor to AUSMIN was ANZUS, the Australia-New Zealand-U.S. agreement. It was obsolete when it was signed, being directed at a Japan that had been thoroughly defeated.

Even during the Cold War the Soviets posed no threat in the south Pacific, lacking both the will and the capability to invade such isolated states. There are no more serious threats today.

The former Red Navy is rusting in port. Japan is a most unlikely repeat aggressor. China is far away from deploying a serious military capability, let alone one capable of threatening Australia. Indeed, invading nearby Taiwan is likely to remain beyond Beijing's ability for years.

Vietnam and Malaysia make unlikely attackers. India's reach may grow, but not in that way. There is only Indonesia, but it threatens a flotilla of refugees, not soldiers, if it implodes.

What Australia most needs, then, is not a superpower alliance, but a more robust military and stronger regional ties. Local organizations, such as ASEAN—the Association of Southeast Asian Nations—are better situated than the United States to handle a messy breakdown in Indonesia.

Cooperation with India and Japan, as well as the ASEAN states, could substitute for reliance on the U.S. government in forging a naval force to deter a future aggressive China from interfering with international navigation. Although the U.S. naval presence is more convenient, it will never be as reliable as that from countries that have more at stake in the region. In a crunch, Washington may—indeed, should—prefer to sacrifice allied interests than confront nuclear-armed China.

No doubt, it is easier for the Australian government, and many other nations as well, to rely on the U.S. government than to spend the money and take the effort to develop military forces and regional relationships. But a preference to be subsidized by Uncle Sam is no reason for him to oblige.

This latest meeting, like other AUSMIN consultations, was filled with the usual platitudes and terms of endearment. But the American and Australian people have divergent interests. The Australians' concerns are largely local. Instability in Indonesia, Fiji, and Papua New Guinea could spill over. Hostility among ASEAN states could greet Australian activism. None of these issues matter much to us.

Americans and Australians have many cultural, economic, and political ties that should form the bedrock of their relationship. But instead of maintaining a formal security arrangement based more on nostalgia than necessity, they should leave military ties to informal cooperation, such as intelligence sharing. Then Americans won't be promising to defend yet another distant dependent, and Australians will begin moving on a more independent course that will provide the greatest long-term security. □

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Wire and Rails: Comparing the Web and Railroads

by Larry Schweikart

Not long ago the television show *Silicon Spin* glumly reviewed the latest news of the cellular phone industry. The guests concluded that even if tech stocks, especially telecoms, had hit bottom, it would be 2003 before the experts thought the majority of them could again struggle back to profitability. Virtually all the problems, they concluded, stemmed from the industry's rapid advance into broadband at a time that the market did not yet exist.

On the heels of the *Silicon Spin* analysis, the *Wall Street Journal*, focusing on a pair of telecoms called Qwest and Level 3 Communications, came to a similar judgment. The Web was "overbuilt," resulting in a "fiber glut" that "underlies much of the uncertainty plaguing the telecom sector."[1] Claiming that only 2.6 percent of the capacity was actually in use, the *Journal* bleakly concluded that "much of [the fiber] may remain dark forever."

What was interesting in both the *Journal* and the *Silicon Spin* analyses was the comparison with the railroads in the nineteenth century and the argument that both the Web and the railroads were "built ahead of demand." It behooves investors—let alone anyone concerned with the future of high-tech America—to learn if telecoms indeed do have a similar historical pattern to that of the railroads, and if so, how they also differ.

America's first railroad construction came through private financing, although it didn't take long before the state governments got involved. Economic historians have argued that the capital demands of the railroads dwarfed those of any other industry. While that might have been true in the 1850s, it was not the case in the 1830s or 1840s. Founders of many early roads had simple objectives, often merely linking a single city to a river, or even building a shortcut between a long and difficult bend in a single river, as was the case in Alabama.

After the canal craze of the 1830s, in which many state governments subsidized construction by guaranteeing the canal companies' bonds, the precedent was set for the states to support railroads. A number did so enthusiastically, especially in the south. Still, private capital dominated the construction of the best—and most viciously fought-over—roads. Cornelius Vanderbilt's New York and Harlem Railroad, then later the Erie, attracted the attention of journalists and the general public, because of the titanic struggles between Vanderbilt and a bevy of opponents, including Jim Fisk, Jay Gould, and Daniel Drew.

Until that point, the extent of most governments' involvement with the railroads took the form of legislators' and aldermen's taking bribes in return for granting, or withholding, various rights to cross certain territory. This, in turn, allowed those with substantial railroad stock to manipulate the market in railroad securities. Of course, for every buyer there must be a seller, and to the dismay of

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Fisk, Gould, and Drew, the Commodore often would not be (pardon the pun) railroaded: quite the contrary, Vanderbilt sent his own agents into the securities market to sell when his opponents tried to drive prices up, or to buy when they tried to drive them down. His massive transactions often disrupted the schemes of stock manipulators, and in the process he taught the silent partners in Albany lessons they never forgot.

By the Panic of 1857, most railroads relied on private investment. The depression of that year put many of them into bankruptcy, however. Ironically, while economists have for years thought that the origins of that panic lay in disruptions of the wheat market or foreign instability, it turns out that the Dred Scott decision—which overthrew the Missouri Compromise and opened up all territories to slavery—so terrified investors that the bonds of east-west roads collapsed. (Significantly, none of the roads running predominantly north and south collapsed, because their future business and traffic would have been relatively unaffected by the decision.)[2]

What would have become of the rail networks had the Civil War not intervened, of course, is difficult to determine. It is likely that, had slavery been prohibited from the territories per the Missouri Compromise post-1860, a normal construction program by private investors, largely absent state government intrusions, would have occurred. It is worth noting that the single most important business transformation in American history—the rise of the so-called "managerial hierarchies"—had already taken place in the private sector to address the capital needs of the railroads—a full decade before the first government-backed transcontinental railroad was launched.

Move Along, No Consumers Here

For many years, the nation had sought to support construction of a railroad to the Pacific for military reasons—largely to supply the forts on the frontier, but also to ensure quicker and more reliable support to California and Oregon. If there was agreement over the necessity of a transcontinental, there was disagreement over the route: southerners wanted a route running from Nashville or New Orleans, while northerners wanted a Chicago locus. It was Senator Stephen Douglas's introduction of legislation to build a railroad through Nebraska that had touched off "Bloody Kansas," and, eventually, the war itself. When the Civil War broke out, the Union government needed California's gold and silver as well as the endless supply of horses and cattle provided by the frontier west. Supply lines were secured by the army, and Congress, without southern opposition, immediately passed the Pacific Railroad Act of 1862, which became a badly flawed blueprint for most of the transcontinental railroads. Under the Act, the government gave the railroad a substantial land grant (which was within its constitutional authority to do, and fit the Articles of Confederation's provisions of the Land Ordinance of 1784 that reserved four sections of every township to the federal government).

ENGRAVING BY ALEXANDER H. RITCHIE

Cornelius Vanderbilt (1794–1877)

Having the authority and using it wisely were two different things, however, and the free land proved as much a curse to the railroads as a blessing. But the other part of the Pacific Railroad Act involved a provision to give a subsidy to the construction of railroads in the form of United States bonds that the companies could sell on the market, then apply the proceeds to construction costs.

Under any circumstances, this was bad economics. The structure of the subsidies, though, proved even more short-sighted. For each mile of track constructed, the railroad received $16,000 worth of government bonds, rewarding the railroad for miles of track laid instead of actual services provided.

Despite what appear as lucrative inducements to modern Americans, few investors

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jumped at the opportunity to invest in a transcontinental railroad. People could do the math, and they concluded that it would be decades before such a project turned a genuine profit. There simply were not enough customers on the Great Plains to support the railroads. Congress thus sweetened the pot, doubling the land grant and allowing the railroads to sell their own bonds in addition to the government securities for construction. To make a long story short, this resulted in the infamous Credit Mobilier scandal.

After the government had sufficiently jumpstarted the Union Pacific and Central Pacific, another competitor subsidized by government land grants, the Northern Pacific, also entered the building frenzy. Whatever other feelings this must have evoked from Native Americans, the sight of these endless and obviously expensive tracks must have struck them as incredibly silly. The Indians, because they negotiated the Plains regularly, saw that even after the sodbusters arrived there were no people out there to speak of.

One railroad builder did not rely on government land grants or bond subsidies for his transcontinental railroad. James J. Hill, a Canadian who was blind in one eye, had started his own transcontinental by steadily marching across Minnesota. Hill recognized the simple economic fact that the other roads missed—largely because they were on the government dole—that there were no customers for the railroads to serve. To that end, Hill decided to create his own customer base, a strategy that would have remarkable implications for the telecom industry in the 21st century. He enticed future customers—in this case, farmers—to places where his railroad ran by offering them land. In a direct inversion of the practice of the other roads, namely *getting* land from the government, Hill bought land and gave it away! Hill also experimented with a variety of new wheat strains, cattle breeds, and agricultural advances that would keep his future customers profitable, in the process putting his railroad in the black. Burton Folsom's *The Myth of the Robber Barons* has thoroughly dealt with the stark differences between the government-funded transcontinentals and the Great Northern. For our purposes, the key factor is that Hill did not "build ahead of demand," but rather ensured through his own efforts that the demand would be there when he needed it. It was the ultimate essence of Say's Law.

Back to the Future

Jump ahead now more than a century to the late 1990s and the exploding telecom, wireless, fiber-optic, and high-tech boom. Once again, there are concerns that businesses are building ahead of demand. But the comparison to railroads doesn't hold water. The railroads—at least, all but the Great Northern—were subsidized by the government and had no incentive to develop a customer base. Indeed, the government *was* the customer until the legislators finally took away the golden goose. By the 1880s enough people had moved into the Great Plains and onto the frontier to obscure what had happened: the government had constructed several roads that would not have been profitable if left to their own resources, or at least not using the strategies that operators employed with Uncle Sam.

Economists have beaten the railroad data to death, and while there is near unanimity on the fact that the railroads provided "social savings" in the neighborhood of 5 to 15 percent of GNP by 1890, these conclusions universally ignore the dynamics of a free market. "Social savings" is a term that postulates general benefits to everyone (lower travel costs and shipping prices) that *might* not have existed in the absence of the railroads. The best that economists have come up with to actually test these theories is an imaginary—but potentially real—system of interstate canals that could have been constructed in place of the railroads. Again, however, proving that no private investors would have built the railroads in the absence of subsidies is impossible. Moreover, it is unlikely none would have done so, given the history of not only Hill and Vanderbilt, but also of the intrastate railroad construction prior to 1860. In other words, absent the government, the railroad entrepreneurs in the 1800s knew their market and had a good grip on the size of the customer base.

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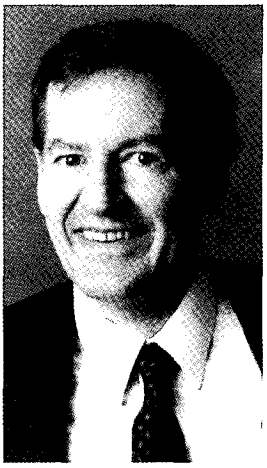
For the telecom industry in the modern period, the pundits are solemnly nodding their heads in unison that the "fiber barons" do not know their industry or their customer base—that they "built ahead of demand." But is that the case? The *Wall Street Journal* has even argued that, to paraphrase Senator Fritz Hollings, "There's too much competin' goin' on out there." Further, competitors came in, the *Journal* implied, because of the "easy availability of funding." Aha! All those stupid capitalists were so anxious to lose their money that they marched into fiberworld like lemmings, dumping millions into dark cable, all because of the "easy availability" of capital.

One must pause, then, to consider the warnings of tech guru and prophet George Gilder, who has for a decade warned that the high-tech industry (and bandwidth/cable in particular) is *underfunded*! The key to Internet growth has been the venture capital firms, the top 20 of which, from 1974 to 1995, beat even Warren Buffett's well-known Berkshire Hathaway returns of 32 percent per year. Following four years of George H.W. Bush and two years of Bill Clinton, the investment in technology firms began to wane.

Three things heated up the Internet economy after 1994, however. First, energy prices continued to remain low and as silicon chip companies gobbled up electricity at rapidly accelerating levels, this component of their price fell steadily. Second, Web browsers appeared in 1994, making the Internet genuinely commercial. Third, the GOP Congress lowered capital gains taxes to 20 percent, while the Fed kept the lid on inflation, with prices rising at a tolerable 2 percent in the 1990s. Low interest rates, low energy costs, and low taxes—you can't beat that combination for economic growth, and the sector that is on the cutting edge will grow the fastest.

Magnify all of this by the "Law of the Telecosm," which states that the value of a network grows by a square of the processing power of all the terminals attached to it, and "Gilder's Law," which postulates that bandwidth grows at least three times as fast as computing power, and the high-tech economy of the 1990s became a skyrocket. The United States rode this skyrocket, claiming some 80 percent of the Web domain names and dominating Internet traffic. At the same time, the cost of manufacturing the "nuts and bolts" of computer—chips—shrank to almost immeasurable proportions, falling at rates of nearly 70 percent a year and forcing the price of a bit down to a millionth of a cent. Although the *Journal* may question the claim that Internet bandwidth and traffic are doubling every few months, even its own position—that traffic is doubling more like once a year (based on a single AT&T researcher's paper)—if true, is *still* an astonishing growth rate. Given this incredible level of expansion, is there anyone out there—aside from the *Journal* staff—who seriously wants to argue that the availability of venture capital has grown at exponential levels to match the rest of the Internet?



George Gilder

Low interest rates have not sparked a torrent of new venture capital. Nor has anticipation of the desperately needed, but modest, Bush tax cuts. Part of the bottleneck in venture capital has rested in the Byzantine FCC laws governing bandwidth and the monopoly positions of the Bells. Supposedly the 1996 Telecommunications Act required the Bells to unload their networks and free up local areas to competitors, and in return the Bells would receive the authority to re-enter long-distance data transmission. A burst of new "competitive local exchange carriers" (CLECs) suddenly appeared, only to find that the Act did not provide a timetable for or fines for not allowing the competitors into the loops. Then U.S. Representatives Billy Tauzin and John Dingell introduced legislation to allow the Bells into long-distance data transmission regardless.

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Complaining that the "companies focused on the easy part of building a network [while] too little money went into [getting] into homes and offices," or a phenomenon called the "last mile" connections, the *WSJ* nevertheless admitted that the culprit might be the Baby Bells, which owned most of the "last mile" connections, not venture capital. Where the *WSJ* sees plummeting prices for dark fiber and the tech stock leaders, however, analysts such as Gilder see nothing but opportunities and market-driven growth. Falling prices are to be expected and celebrated, Gilder would argue.

Internecine Debate

The proper course of action on the Baby Bells, for the time being, is the fulcrum of analysis, pitting free marketeers with different solutions and approaches to de-monopolizing against each other. On the one hand, the "pure" marketeers such as Gilder brushed aside the impact of anti-Bell legislation, arguing that it was irrelevant in the long run what the Bells did. The key, he maintained, was fiber, which "trumps both copper and the airwaves,"[3] and cable companies, not the Bells, command the fiber. And since the important regulations were those governing cable, the Bell monopoly-related legislation was a sideshow: the real action was under the ground.

Other bona fide free marketeers saw the Tauzin/Dingell legislation as a crippling blow to the telecoms. William Lehr, an MIT economist, and James Glassman of the American Enterprise Institute constructed a stock index of the CLECs and found that their market capitalization plunged in direct proportion to the Tauzin/Dingell legislation's progress.[4] However, Gilder responded in an "open letter" to the new FCC chairman that these CLECs were merely "litigation shops" intent on forcing the Bells to share their copper.[5] They were not, he maintained, interested in dynamic change.

Gilder's solution is perhaps politically unfeasible, but eminently sensible: let the cable companies make hay out of their temporary monopoly status. Forget the Bells, and give them the profits from copper. As he correctly notes, no Internet advantage will last more than a fleeting moment. Quit trying to level the playing field. The market is the ultimate groundskeeper. Competition from broadband, DSL, and other technologies will quickly eliminate any advantages the Bells ever held.

One thing is certain. The Internet, and the glass fibers on which it should travel, has little in common with the transcontinental railroads. One was built by entrepreneurs, one by the government. One caused prices to plummet and services to spread; the other allowed companies to pool and price fix with Washington's blessing. One still suffers from not enough venture capital, while the other nearly collapsed because of too much free money from the taxpayers. The most interesting result of the comparison of wires and rails is that to succeed, one must waste its resource, bandwidth, because bandwidth is potentially the cheapest commodity in the world, driving costs down. The other wasted material resources, because it was subsidized by the government, driving costs up. James J. Hill would have appreciated the differences. □

1. Rebecca Blumenstein, "Web Overbuilt: How the Fiber Barons Plunged the U.S. Into a Telecom Glut," *Wall Street Journal*, June 18, 2001.

2. Charles Calomiris and Larry Schweikart, "The Panic of 1857: Causes, Transmission, and Containment," *Journal of Economic History*, December 1990, pp. 807–34.

3. George Gilder, *Telecosm: How Infinite Bandwidth Will Revolutionize Our World* (New York: Free Press, 2000), p. 266.

4. See James K. Glassman, "Look to Politics to Find Broadband's Market Cap Shortfall," www.techcentralstation.com, June 22, 2001.

5. George Gilder and Brett Swanson, "The Broadband Economy Needs a Hero," *Wall Street Journal*, February 23, 2001.

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IDEAS ON LIBERTY
DECEMBER 2001

Tethered Citizens

The welfare state exists to transfer resources from those who produced them to those who did not. There can be countless motives for effecting a transfer: to equalize incomes; to feed and house the poor; to eradicate drug use; to promote exports; to inhibit imports; to subsidize business and agriculture; to certify the safety of food, medicines, toys, and appliances; to make buildings sturdy; to discourage smoking or drinking; to preserve wetlands and animal habitats; to ensure retirement income; to guarantee safety in the workplace; to advance research; to educate children; to provide affordable medical care; to control rents; to end racial discrimination; to plan residential development.

Whenever the state attempts to do those things, by definition it accumulates and exercises power. The power of government always comes down to physical force. Someone is either compelled to do something he wishes not to do, whether it is paying taxes or complying with decrees, or stopped from engaging in the peaceful pursuit of his choice.

Since the welfare state is built on devices that increase the power of government at the expense of the liberty of individuals, it contradicts basic moral precepts. The issue isn't whether people ought, in some sense, to donate money to good causes. It is rather whether they should be *legally compelled* to do so. Who would have the state compel everything that "ought" to be done?

Thus the welfare state is immoral. It also is destructive of processes that create wealth and prosperity.

Why then did America turn to the welfare state from its individualist and libertarian origins? That is a complex question with a large range of correct answers. It is surely the case that people, wishing to economize on their scarce time and effort, look for the path of least resistance. If they can get what they want through political transfers, many people are happy to do so. Collecting tax-financed benefits doesn't feel like receiving stolen property, although that's what it is. Citizens find themselves in a seemingly amoral arena in which they might as well get what they can before someone else takes it. In the animal jungle the rule is eat or be eaten. In the political jungle it's subsidize or be subsidized.

Another motive propelling the welfare state is insecurity about change and ignorance of the future. One's economic position ultimately depends on the tastes and preferences of free and fickle consumers. Someone making a high income today can be living paycheck to paycheck tomorrow—and vice versa. No one is guaranteed a particular position in the marketplace. That can be discomfiting. But there is a bright side. "In an unhampered market economy the absence of security, i.e., the absence of protection for vested interests, is the principle that makes for a steady improvement in material well-being," Ludwig von Mises wrote. The freedom that permits change and failure is also what makes innova-

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tion, discovery, and inventiveness possible. Those things improve everyone's welfare.

Related to the fear of uncertainty is the fear of what is called atomism. This is the concern that in the unfettered marketplace of individualists, with no government safety net, too many people will be left to fall by the wayside. In 1997 President Clinton tempered his declaration that the era of big government was over by adding that we couldn't go back to the time when "people fended for themselves." Juxtaposing the two points implies that big government was established so that people wouldn't have to fend for themselves. Clinton undoubtedly had in mind the second definition of the term "fend" in the *American Heritage Dictionary,* third edition: "to attempt to manage without assistance."

If to fend is to attempt to manage without assistance, it has little relevance to the free market. The marketplace is characterized by the division of labor and exchange for mutual benefit: you make shoes, I'll make bread, and we'll trade. Does that sound like fending for oneself? One becomes suspicious of capitalism's enemies when their model of an individualist resembles Theodore Kaczynski, who was hostile to everything associated with capitalism.

The conjured-up era of fending is simply part of the anti-capitalist folklore designed to make us fear liberty and look to the state for protection. Atomistic individualism is a straw man. It was never part of the classical liberal, or libertarian, picture of the world. That world is better described as embodying "molecular individualism."

The Primacy of Property

The antipode of the welfare state is the system of private property. If subsidy tethers, property liberates.

It is hard to overstate how radical the idea of private property is. According to the Scottish Enlightenment writer Adam Ferguson, man ceased to be a savage when the idea of property occurred to him. Mises has shown that without property in the means of production, there is no trade; that without trade, there are no prices; and that without prices there can be no economic calculation, which is indispensable for determining how to get the most value from resources. Thus central planning is impossible, and property rights are required for people to prosper.

Although opponents of private property have rhapsodized about freedom, it is difficult to know what they mean. What would freedom without property rights look like? When government owns the presses, ink, and newsprint, freedom of the press is impossible.

Similarly, enemies of property have advocated personal autonomy and self-determination. Yet how can those things be realized without private property? In a world of collective property—which in fact would mean state-controlled property—everyone is a tenant and employee of a monopoly landlord and employer. That's serfdom. It is true that in a market society, many people are both tenants and employees. The difference is that in a market, multiple landlords and employers compete to attract tenants and employees. And every tenant and employee has the freedom to work to become a homeowner and an independent entrepreneur.

Some will ask: But must we go to extremes? Sure, socialism is bad and unworkable, they will continue, but a complete free market—laissez faire—cannot be the only alternative. Isn't there a third way?

State and market are opposites, embodying, respectively, force and creativity. That is why the search for a third way is misconceived. There can be no such thing. We live in the digital age, in which powerful devices accomplish their wonders through electronic switches that have only two positions: on or off. There is no middle position. It is time we brought our political thinking into the digital age. □

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How War Amplified Federal Power in the Twentieth Century

by Robert Higgs

After surveying the Western world in the past six centuries, Bruce Porter concluded: "a government at war is a juggernaut of centralization determined to crush any internal opposition that impedes the mobilization of militarily vital resources. This centralizing tendency of war has made the rise of the state throughout much of history a disaster for human liberty and rights."[1] As a cause of the development of big government in the United States, however, war seldom receives its due.

World War I

Despite expansion during Woodrow Wilson's first term as president, the federal government on the eve of World War I remained small. In 1914, federal spending totaled less than 2 percent of GNP. The top rate of the recently enacted federal individual-income tax was 7 percent, on income over $500,000, and 99 percent of the population owed no income tax. The 402,000 federal civilian employees, most of whom worked for the Post Office, constituted about 1 percent of the labor force. The armed forces comprised fewer than 166,000 men on active duty. Although the federal government meddled in a few areas of economic life, prescribing railroad rates and bringing antitrust suits against a handful of unlucky firms, it was for most citizens remote and unimportant.

With U.S. entry into the Great War, the federal government expanded enormously in size, scope, and power. It virtually nationalized the ocean shipping industry. It did nationalize the railroad, telephone, domestic telegraph, and international telegraphic cable industries. It became deeply engaged in manipulating labor-management relations, securities sales, agricultural production and marketing, the distribution of coal and oil, international commerce, and markets for raw materials and manufactured products. Its Liberty Bond drives dominated the financial capital markets. It turned the newly created Federal Reserve System into a powerful engine of monetary inflation to help satisfy the government's voracious appetite for money and credit. In view of the more than 5,000 mobilization agencies of various sorts—boards, committees, corporations, administrations—contemporaries who described the 1918 government as "war socialism" were well justified.[2]

During the war the government built up the armed forces to a strength of four million officers and men, drawn from a prewar labor force of 40 million persons. Of those added to the armed forces after the U.S. declaration of war, more than 2.8 million, or 72 percent, were drafted.[3] Men alone, however, did not make an

Robert Higgs is editor of The Independent Review *and author of* Crisis and Leviathan *(1987). This is reprinted from the July 1999 issue of* The Freeman: Ideas on Liberty.

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army. They required barracks and training facilities, transportation, food, clothing, and health care. They had to be equipped with modern arms and great stocks of ammunition.

As the mobilization began, the requisite resources remained in the possession of private citizens. Although manpower could be obtained by conscription, public opinion would not tolerate the outright confiscation of all the property required to turn the men into a well-equipped fighting force. Still, ordinary market mechanisms threatened to operate too slowly and at too great an expense to facilitate the government's plans. The Wilson administration therefore resorted to the vast array of interventions mentioned earlier. All may be seen as devices to hasten the delivery of the requisite resources and to diminish the fiscal burden of equipping the huge conscript army for effective service in France.

Notwithstanding those contrivances to keep the Treasury's expenses down, taxes still had to be increased enormously—federal revenues rose by nearly 400 percent between fiscal 1917 and fiscal 1919—and even greater amounts had to be borrowed. The national debt swelled from $1.2 billion in 1916 to $25.5 billion in 1919.

To ensure that the conscription-based mobilization could proceed without obstruction, critics had to be silenced. The Espionage Act of June 15, 1917, penalized those convicted of willfully obstructing the enlistment services by fines up to $10,000 and imprisonment as long as 20 years. An amendment, the Sedition Act of May 16, 1918, went much further, imposing the same severe criminal penalties on all forms of expression in any way critical of the government, its symbols, or its mobilization of resources for the war. Those suppressions of free speech, subsequently upheld by the Supreme Court, established dangerous precedents that derogated from the rights previously enjoyed by citizens under the First Amendment.

The government further subverted the Bill of Rights by censoring all printed materials, peremptorily deporting hundreds of aliens without due process of law, and conducting—and encouraging state and local governments and vigilante groups to conduct—warrantless searches and seizures, blanket arrests of suspected draft evaders, and other outrages too numerous to catalog here. In California the police arrested Upton Sinclair for reading the Bill of Rights at a rally. In New Jersey the police arrested Roger Baldwin for publicly reading the Constitution.[4]

The government also employed a massive propaganda machine to whip up what can only be described as public hysteria. The result was countless incidents of intimidation, physical abuse, and even lynching of persons suspected of disloyalty or insufficient enthusiasm for the war. People of German ancestry suffered disproportionately.[5]

When the war ended, the government abandoned most, but not all, of its wartime control measures. The draft itself ended when the armistice took effect on November 11, 1918. By the end of 1920 the bulk of the economic regulatory apparatus had been scrapped, including the Food Administration, the Fuel Administration, the Railroad Administration, the War Industries Board, and the War Labor Board. Some emergency powers migrated into regular government departments such as State, Labor, and Treasury and continued in force. The Espionage Act and the Trading with the Enemy Act remained on the statute books. Congressional enactments in 1920 preserved much of the federal government's wartime involvement in the railroad and ocean shipping industries. The War Finance Corporation shifted missions, subsidizing exporters and farmers until the mid-1920s. Wartime prohibition of alcoholic beverages, a purported conservation measure, transmogrified into the ill-fated Eighteenth Amendment.

Most important, the dominant contemporary interpretation of the war mobilization, including the belief that federal economic controls had been instrumental in achieving the victory, persisted, especially among the elites who had played leading roles in the wartime economic management. It was hardly surprising that 15 years later, in the depths of the Great Depression, the federal government employed the wartime measures as models for dealing with what Franklin D. Roosevelt called "a crisis in our national life comparable to war."[6]

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World War II

When World War II began in Europe in 1939, the size and scope of the federal government were much greater than they had been 25 years earlier, owing mainly to World War I and its peacetime progeny, the New Deal. Federal spending now equaled 10 percent of GNP. Of a labor force of 56 million, the federal government employed about 1.3 million persons (2.2 percent) in regular civilian and military jobs and another 3.3 million (5.9 percent) in emergency work-relief programs. The national debt held outside the government had grown to nearly $40 billion. Most important, the scope of federal regulation had increased immensely to embrace agricultural production and marketing, labor-management relations, wages, hours, and working conditions, securities markets and investment institutions, petroleum and coal marketing, trucking, radio broadcasting, airline operation, provision for income during retirement and unemployment, and many other objects.[7] Notwithstanding those prodigious developments, during the next six years the federal government would assume vastly greater dimensions—in some respects its greatest size, scope, and power ever.[8]

During the war the conscript-based armed force, which ultimately comprised more than 12 million men and women, required enormous amounts of complementary resources for its housing, subsistence, clothing, medical care, training, and transportation, not to mention the special equipment, arms, ammunition, and expensive weapons platforms that now included tanks, fighter and bomber aircraft, and naval aircraft carriers.

For the Treasury, World War II was ten times more expensive than World War I. Many new taxes were levied. Income taxes were raised repeatedly, until the personal income-tax rates extended from a low of 23 percent to a high of 94 percent. The income tax, previously a "class tax," became a "mass tax," as the number of returns grew from 15 million in 1940 to 50 million in 1945.[9] Even though federal revenues soared from $7 billion to $50 billion between 1940 and 1945, most war expenses still had to be financed by borrowing. The publicly held national debt rose by $200 billion, or more than fivefold. The Federal Reserve System itself bought some $20 billion of government debt, thereby serving as a de facto printing press for the Treasury. Between 1940 and 1948 the money stock (M1) increased by 183 percent, and the dollar lost nearly half its purchasing power.

The authorities resorted to a vast system of controls and market interventions to get resources without having to bid them away from competing buyers in free markets. By fixing prices, directly allocating physical and human resources, establishing official priorities, prohibitions, and set-asides, then rationing the civilian consumer goods in short supply, the war planners steered raw materials, intermediate goods, and finished products into the uses they valued most. Markets no longer functioned freely; in many areas they did not function at all.[10]

World War II witnessed massive violations of human rights in the United States, apart from the involuntary servitude of the military conscripts. Most egregiously, about 112,000 blameless persons of Japanese ancestry, most of them U.S. citizens, were uprooted from their homes and confined in concentration camps without due process of law. Those subsequently released as civilians during the war remained under parole-like surveillance. The government also imprisoned nearly 6,000 conscientious objectors—three-fourths of them Jehovah's Witnesses—who would not comply with the service requirements of the draft laws.[11] Signaling the enlarged federal capacity for repression, the number of FBI special agents increased from 785 in 1939 to 4,370 in 1945.[12]

Scores of newspapers were denied the privilege of the mails under the authority of the 1917 Espionage Act, which remained in effect. Some newspapers were banned altogether.[13] The Office of Censorship restricted the content of press reports and radio broadcasts and censored personal mail entering or leaving the country. The Office of War Information put the government's spin on whatever it deigned to tell the public, and the military authorities censored news from the

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battlefields, sometimes for merely political reasons.

The government seized more than 60 industrial facilities—sometimes entire industries (for example, railroads, bituminous coal mines, meatpacking firms)—most of them in order to impose employment conditions favorable to labor unions engaged in disputes with the management.[14]

At the end of the war most of the economic control agencies shut down. But some powers persisted, either lodged at the local level, like New York City's rent controls, or shifted from emergency agencies to regular departments, like the international trade controls, moved from the Foreign Economic Administration to the State Department.

Federal tax revenues remained high by prewar standards. In the late 1940s the IRS's annual take averaged four times greater in constant dollars than in the late 1930s. In 1949, federal outlays amounted to 15 percent of GNP, up from 10 percent in 1939. The national debt stood at what would have been an unthinkable figure before the war, $214 billion—in constant dollars, roughly a hundred times the national debt in 1916.

The prevailing interpretation of the wartime experience gave unprecedented ideological support to those who desired a big federal government actively engaged in a wide range of domestic and international tasks. To many, it seemed that a federal government capable of leading the nation to victory in a global war had a similar capacity to remedy peacetime economic and social ills. Accordingly, in 1946 Congress passed the Employment Act, pledging the federal government to act as America's permanent macroeconomic warden.

The Cold War

The end of World War II blended into the beginning of the Cold War. In 1948 the government reimposed the military draft, and over the next 25 years conscription was extended time and again. After 1950 the military-industrial-congressional complex achieved renewed vigor, sapping 7.7 percent of GNP on average during the next four decades—cumulatively some $11 trillion dollars of 1999 purchasing power.[15]

During the Cold War the government's operatives committed crimes against the American people too numerous to catalog here, ranging from surveillance of millions of innocuous citizens and mass arrests of political protesters to harassment and even murder of persons considered especially threatening.[16] *C'est la guerre.* The government's reprehensible actions, which many citizens viewed only as abuses, we can apprehend more plausibly as intrinsic to its constant preparation for and episodic engagement in warfare. □

1. Bruce D. Porter, *War and the Rise of the State: The Military Foundations of Modern Politics* (New York: Free Press, 1994), p. xv.

2. Robert Higgs, *Crisis and Leviathan: Critical Episodes in the Growth of American Government* (New York: Oxford University Press, 1987), pp. 123–58; James L. Abrahamson, *The American Home Front* (Washington, D.C.: National Defense University Press, 1983), pp. 101–12.

3. John Whiteclay Chambers, III, *To Raise An Army: The Draft Comes to Modern America* (New York: Free Press, 1987), p. 338, n. 68.

4. Michael Linfield, *Freedom Under Fire: U.S. Civil Liberties in Times of War* (Boston: South End Press, 1990), p. 65.

5. Ronald Schaffer, *America in the Great War: The Rise of the War Welfare State* (New York: Oxford University Press, 1991), pp. 3–30.

6. Quoted by Porter, p. 277.

7. Higgs, *Crisis and Leviathan*, pp. 159–95.

8. Abrahamson, pp. 131, 142.

9. Carolyn C. Jones, "Class Tax to Mass Tax: The Role of Propaganda in the Expansion of the Income Tax during World War II," *Buffalo Law Review*, Fall 1988/89, pp. 685–737.

10. Higgs, pp. 196–236.

11. Abrahamson, p. 159.

12. Porter, p. 284.

13. Linfield, p. 73.

14. Ibid., pp. 102–103.

15. Robert Higgs, "The Cold War Economy: Opportunity Costs, Ideology, and the Politics of Crisis," *Explorations in Economic History*, July 1994, pp. 9–10.

16. Linfield, *Freedom Under Fire*, pp. 113–67.

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IDEAS ON LIBERTY
DECEMBER 2001

No Yahoo! for New Shareholder Plan

by Gary M. Galles

Last March Yahoo! announced that its board of directors had adopted a shareholder-rights plan, which it described as "designed to deter coercive takeover tactics, including the accumulation of shares in the open market or through private transactions, and to prevent an acquirer from gaining control of Yahoo! without offering a fair and adequate price and terms to all of Yahoo!'s stockholders."

In other words, the directors were doing it to protect their owners. But the next day Yahoo! stock fell 11 percent (to a level more than 90 percent below its 52-week high). Why would stockholders react so adversely to something called a "shareholder-rights plan"? Why would they dislike getting extra rights for free? The more common term for such plans, "poison pills," points us to the reason.

Similar to many other shareholder-rights plans, Yahoo!'s plan essentially gives existing shareholders the right to purchase additional shares of the company's stock at a substantial discount below their market value if someone acquires more than 15 percent of the common stock or attempts a hostile takeover of the firm. Of course, whoever is seeking control is denied that right.

On the surface, such a plan would appear to benefit stockholders by allowing them to buy added shares for less than they are worth. But in fact they typically harm stockholders. The dilution of share value that would result from an attempted takeover by anyone not friendly with existing management means that such takeovers will not be attempted.

What's wrong with that? When a firm's management fails to maximize shareholder value, a takeover or merger can let the owners install new management that promises to perform better. Such takeovers pay shareholders a substantial premium over current share prices, a premium they would very much like to receive. But a takeover defense can prevent such a restructuring and protect the current management from the threat of being ousted. And poison pills are the most effective takeover defense allowed by the courts without shareholder approval. (If they were subject to shareholder approval, owners could defend themselves by voting them down.) As a result, despite the uniformly pro-shareholder rhetoric that accompanies poison-pill announcements, in fact they are often devices to benefit existing management and shortchange shareholders.

Courts have permitted poison pills in deference to the "business judgment" rule, which presumes that boards of directors act in the interests of their shareholders rather than to preserve the managers' interests or their own positions on the board. But this is misguided in the case of *unapproved* poison pills. Allowing the management and board, which are delegated agents of stockholders, the right to preserve their jobs by halting takeovers that owners would approve effectively gives those

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bodies the right to change their employment contract unilaterally so that owners can no longer fire them in favor of another management team. Shareholders would never agree to a delegation of power to management that is so clearly contrary to their interests, which is why shareholder activists are pursuing anti-poison pill resolutions at many corporations.

This lays the blame for the abuse of poison pills squarely on the courts' misunderstanding of shareholders' interests. They have essentially viewed poison pills as something-for-nothing deals for current shareholders, and since (in their view) shareholders wouldn't oppose them, they need not be asked for their permission before managements unilaterally adopt them. However, poison pills are really often nothing-for-something deals that current shareholders would reject—given the chance. As a result, the courts' mistaken presumption that shareholders' rights are automatically protected in such cases has led them to allow managements to implement poison pills without shareholder approval, undermining shareholders' rights in the process.

The supposed additional shareholder rights granted by poison pills are nearly valueless, as their mere existence all but eliminates the takeovers that would trigger them. But they do take from shareholders the valuable right to the premium prices they could have received if hostile takeovers had remained possible. Taking away this valuable shareholder option without their consent is not in owners' interests, which is reflected both by owner opposition and by negative stock price changes when most poison pills are adopted without shareholder approval.

A Better Way

If Yahoo!'s board intends to protect stockholders from abuses that may occur in a takeover, there are far less restrictive ways to do so. It could, through a variety of indirect methods, require that any share purchase offer be made to all shareholders, rather than to just enough shareholders to acquire control. It could require that any offer for shares must remain in place for a period long enough to give other bidders a chance to counter with an even higher offer that would benefit current owners more. If the board is trying to extract a higher premium through the poison pill, it could void the pill if an all-cash offer with at least, say, a 25 percent premium was tendered. But such alternatives were not mentioned.

In the words of financial economists Andre Shleifer and Robert Vishny, "hostile takeovers are probably the most effective way for shareholders to get rid of non-value-maximizing managers" ("Value Maximization and the Acquisition Process," *Journal of Economic Perspectives,* Winter 1988, p. 11). Unilateral board adoption of poison pills short-circuits that mechanism. Given that there are alternative ways to protect stockholders from any abusive takeover tactics, poison pills are more likely a defense of bad management than a defense of stockholders' rights. They undermine the market for corporate control and, as a result, the value of stockholders' investments.

However there is hope that shareholders' rights will be reinstated. A 1999 ruling from the Denver-based Tenth Circuit Court of Appeals has begun undermining poison pills not approved by shareholders. Affirming the first-ever federal opinion on the issue, the appellate court ruled that unless a company's charter gives only directors control or state law explicitly gives directors the rights to create poison pills, shareholders can overrule their boards and revoke poison-pill takeover defenses.

The ruling is now binding only in the six states covered by the court, but it could be extended to others. While almost half the states give directors the right to create poison pills (which would not be changed by the ruling), California and Delaware (where most Fortune 500 companies are incorporated) do not. While threatened managements are seeking to protect themselves through changes in state law, anti-poison pill resolutions are being pressed in other states, effectively expanding the court precedent beyond the Tenth Circuit. □

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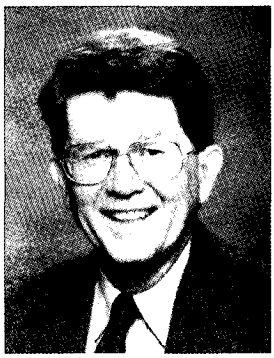
Economics



Energy Production versus Conservation

One of the most important insights in economics was made by F.A. Hayek in a famous article titled "The Use of Knowledge in Society" (*American Economic Review,* September 1945). Hayek's insight was simple, but powerful: the information necessary for making sensible economic choices is far too dispersed and difficult to articulate ever to be possessed by any one person or group of experts. Hayek emphasized in his article that only through market prices can people become sufficiently informed to direct resources into their most valuable uses. Eliminate market prices, or distort them with politically imposed ceilings or floors, and you systematically destroy the information that people need to avoid wasting resources.

Unfortunately, most people seem immune to Hayek's point. This immunity is particularly strong among politicians and journalists. The prevailing view seems to be that when an economic problem arises, the solution lies in ignorance.

The most recent example of this view concerns the production-versus-conservation debate over energy policy. It is widely accepted that the decision on the right mix of production and conservation is best made by Congress after it has imposed "market-based" price caps on important energy prices. Consider an editorial comment in the May 28, 2001, *Business Week:* "No one, except for a handful of eco-extremists, believes that conservation is the only answer to the energy crisis. But few believe that conservation plays no role either. *It is up to Congress to negotiate a balance in the weeks ahead.*" (Emphasis added. I should point out that price controls were not recommended in this editorial.)

If politicians could only resist the urge to control energy prices, there would be no need for them to worry about "negotiating a balance" between energy production and conservation. But having yielded to the urge to control those prices, neither politicians nor anyone else can have the foggiest idea how much production and conservation is appropriate.

Every time we get worried about the availability of energy, a debate breaks out over conservation versus production. It happened in the 1970s and early '80s in response to the export restrictions of OPEC and then again earlier this year in response to less drastic OPEC cutbacks coupled with the politically induced electricity shortages in California. One side argues that we should drive smaller cars, make more use of mass transit, buy more energy-efficient appliances, do a better job insulating our homes and offices, and keep them warmer in the summer and cooler in the winter; the list of possibilities goes on. The other side argues that we can't conserve ourselves to prosperity, so we should produce more energy by drilling for more oil, mining more coal, building more electric generating plants, and bringing more nuclear plants on line.

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Of course, on both sides of the debate reasonable people acknowledge that some mix of conservation and production is necessary. But all insist that their policy recommendations will result in the right mix, or that the other side's recommendation will result in the wrong mix.

Which side is right? What is the best combination of production and conservation? The answer is, no one knows. No one! No individual or group of experts in Washington, D.C., or anywhere else, has a clue about how much energy we should conserve or produce.

But We Can Find Out

But the information necessary for determining the best balance between conservation and production does exist, partly in the form expert knowledge on the technical details of recovering energy resources, converting those resources into usable energy, and transporting it to users. This information is possessed by tens of thousands of people scattered all over the world, few of whom have direct contact with each other. Yet somehow, if energy decisions are to be sensible, it all has to be collected, given proper weight, and communicated to those who can make the best use of it.

Equally important information has nothing to do with expert knowledge and is even more widely scattered: the information that millions of people have about their circumstances and preferences, and the tradeoffs they are willing to make. Some can easily take the bus to work, while others live in areas or have jobs that make taking the bus extremely difficult. Some wouldn't mind shifting to smaller cars, while others with growing families and special needs would. Some would suffer little discomfort from a wider range of inside temperatures, while those with certain health concerns would suffer more than discomfort. Some people are simply afraid of the dark and are willing to sacrifice other things to keep the lights on at night. This information is not only more fragmented and dispersed than the expert information, it is highly subjective and impossible to articulate precisely, if at all. This information may seem rather mundane, but it is just as essential to sound energy choices as is the scientific knowledge possessed by experts.

Fortunately there is no need to collect all this information in one place so it can be run through a computer to determine the right amount of conservation and production—even if all the information were collected, no computer could process it all—and even if it could, by the time the processing was done, the information would have changed.

The only way that the information needed to make sensible energy decisions can be communicated by those who have it to those in the best position to respond appropriately to it, and communicated in a way that motivates appropriate responses, is through market prices—assuming these prices are not distorted by politically imposed caps.

Market prices allow consumers to inform producers, and one another, how much they value different energy uses, and allow producers to inform consumers how much it costs to provide different types of energy. In response consumers will decrease their energy use in ways that minimize their inconvenience when that inconvenience is less than the value of the energy saved. And producers will expand production of energy sources that provide the most value to consumers for the cost required, and will expand those sources as long as consumers value the additional energy by more than the value sacrificed to produce it. The result is a combination of conservation and production that best harmonizes the interests of us all.

Price communication doesn't work perfectly, and even without price caps it can be argued that markets don't guarantee exactly the right amount of energy conservation and production. But energy decisions made in response to the information provided by market prices are far better than those that will be made by politicians and bureaucrats in the informational vacuum they create by imposing price caps. □

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Knut Wicksell: A Sesquicentennial Appreciation

by Richard M. Ebeling

In the early months of 1889 a 37-year-old Swedish student named Knut Wicksell was walking through the streets of Berlin in Germany when he happened to notice in the window of a bookstore a recently published volume by the Austrian economist Eugen von Böhm-Bawerk: *The Positive Theory of Capital.*

Wicksell later wrote to a friend that,

> I procured a copy and was soon lost in the book. I understood most of it rather imperfectly, as can be seen from my notes in the margin. . . . Nonetheless the book came to me as a revelation. I had already tried on my own, with little success, to penetrate the phenomenon of interest and the general problem of economic distribution, when complicated by the existence of capital (as well as labor and natural resources). . . . It was as though I now saw with my own eyes the roof being put on a scientific construction, which no economist since the days of Ricardo had managed to raise above its lower floors.[1]

This discovery put Knut Wicksell on an intellectual path that led to his becoming one of the great economists of the twentieth century. Through his writings and personal influence Wicksell provided a framework for monetary and business-cycle analysis that has served as the starting point for several generations of Swedish and Austrian economists. Knut Wicksell was born on December 20, 1851, in Stockholm. The sesquicentennial of his birth offers an appropriate occasion for an appreciation of some of his important contributions to economics.

Wicksell was born into a middle-class Swedish family. His father ran a grocery business and wisely invested the profits in real estate. Knut's mother died when he was seven years old, and his father when he was 15. But he and his four siblings were left financially comfortable enough for them to get through high school and for Knut and his brother to attend the University of Uppsala, not far from Stockholm. He graduated with a bachelor of science degree, cum laude, after only two, instead of the usual four, years, having specialized in mathematics, physics, and astronomy.

But he began having doubts about his future. First, after an intense devotion to his Christian faith following his father's death, he increasingly came to have doubts, and at the age of 23 became a "free thinker," a position from which he never wavered for the rest of his life. Second, he doubted whether he could make any meaningful contributions to mathematics, if he chose that direction for his graduate studies.

At the same time, he began to be interested in the social and economic issues of the day, especially the relationship between drunken-

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Knut Wicksell (1851–1926)

ness, prostitution, the condition of the poor, and overpopulation. The poor were driven to drink because of the apparent hopelessness of their economic condition. Many men in the lower middle class turned to alcohol and the services of prostitutes because they had no hope of earning a sufficient income that would make early marriage possible.

Wicksell concluded, therefore, that if these vices were to be ameliorated, population growth had to be slowed down so that the rate of capital formation would exceed the rate of increase in population, resulting in a relatively greater scarcity of labor in comparison to capital. This would raise the value of labor and wages relative to the value and price of capital. But Wicksell rejected Thomas Malthus's famous prescription of "moral restraint" on the part of the members of society. Instead, he made the case for a wide distribution of contraceptives, and in later years advocated the legalization of abortions during the first three months of pregnancy.

For these and other "radical" social views that he put into print in the early 1880s, Wicksell was condemned by the professors at the University of Uppsala, censured by the Uppsala medical association, and warned that he was following a dangerous path in publicly advocating these ideas.

He made his living during these years as a journalist and read economics on his own. But in the mid-1880s and then again late in the decade he was awarded travel grants to study abroad that took him to London, Strasbourg, and Vienna. In Vienna he attended the lectures of Carl Menger, founder of the Austrian school of economics. It was on the second of these travels that Wicksell came across Böhm-Bawerk's work in a Berlin bookstore.

When he returned to Sweden he applied for a lectureship in economics at the University of Uppsala, but was turned down because of his political and social views. Nevertheless, he was recommended to apply to the university law school, where he was told that he could teach economics only if he had a law degree. So at the age of 45 he did what he had done as an undergraduate and crammed four years of study into two. He passed the law examination in 1899 and was appointed a lecturer in economics at the University of Uppsala the same year. The following year he accepted a professorship at the University of Lund, a position he held until his retirement in 1917 at age 65.

At Lund he continued to make controversial statements. At a May Day demonstration in 1904 he suggested that it was futile to imagine that Sweden could ever successfully defend itself against a determined, more powerful foreign enemy. Instead, he suggested that Sweden should abolish all military spending and invite Imperial Russia to annex the country. Russia would supply all necessary defense against would-be attackers, and the role of the Swedes would be to educate and civilize the rough and backward Russians in the ways of social freedom and democracy. He stepped back from this radical position after the First World War and became a strong proponent of the League of Nations.

Then in 1908 Wicksell took up the cause of an "anarchist agitator" who had "disturbed the religious peace" of the country with remarks declared to be blasphemous for which he was sent to prison. Insistent that this was a blatant and serious violation of freedom

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of expression and personal liberty, Wicksell delivered a public lecture in which, as an act of peaceful civil disobedience, he satirized the story of the Immaculate Conception. Wicksell was tried and convicted of blasphemy and after several appeals spent two months in prison in 1910.

He wrote widely on the problems of wartime inflation and postwar monetary problems following the First World War and suggested how the negative effects of the war could be minimized in neutral Sweden. He also turned out a string of seminal books on capital, money, interest, and public finance. On May 2, 1926, at the age of 74, he died from a stomach disorder that was complicated by pneumonia.

Major Works

Wicksell's first major work was *Value, Capital and Rent* published in 1893.[2] The classical economists, from Adam Smith through David Ricardo to John Stuart Mill, had attempted to show that the relative prices of goods and the distribution of income among the factors of production (land, labor, and capital) were all ultimately determined by the quantity of labor (along with a few auxiliary assumptions) that was required for the manufacture of goods and the production of food. The "marginalist revolution" of the 1870s had shown that the value of goods and factors of production are ultimately based on the subjective valuations of demanders. Their marginal (or incremental) decisions concerning tradeoffs between units of commodities determine relative prices in the market.

What Wicksell did in his first book was to synthesize the mathematical general equilibrium theory of Léon Walras with Böhm-Bawerk's theory of capital as a time-consuming, multistaged process of production. He explained how each factor of production received an income equal to its contribution (or marginal product) to the manufacture of a good. He also showed that even in a stationary equilibrium, interest income had to be earned as the incentive for replacing the capital consumed in the processes of production through time.

In his next major work, *Studies in the Theory of Public Finance* (1896), Wicksell innovatively applied the theory of marginal cost-benefit analysis to the process of government taxing and spending.[3] Nobel laureate James Buchanan has emphasized Wicksell's original and important contribution to political decision-making on fiscal matters:

> Among fiscal theorists, Knut Wicksell holds the unique position of having carried his theoretical ideas through to an examination of the political structure within which fiscal decisions must be made and implemented. . . . Wicksell proposed, first of all, that the bridge between tax and expenditure sides of the fiscal account be made explicit. When a specific expenditure project was presented, a whole array of possible distributions of the required tax bill were also to be presented, with each array estimated to produce revenues sufficient to cover the outlay. The expenditure project was then to be voted on in the legislature, along with each one of the tax allocations, and when one such combination secured the unanimous approval of the assembly, it was to be adopted. If no single combination received unanimous support, the expenditure project was not to be undertaken and no tax was to be levied.[4]

Wicksell stepped back from the full unanimity principle to a less restrictive supermajority rule. But Buchanan highlighted that what was crucial to Wicksell's contribution was his focusing on government fiscal issues in terms of the individual members of society who would either receive the expenditure benefits or bear the taxation costs. The preferences of real people affected by government fiscal policy could no longer be ignored, and economists could not simply view themselves as "proffering advice to nonexistent benevolent despots."[5]

But the contribution for which Wicksell has received the most international recognition among economists for over a century now is his book *Interest and Prices: A Study of the Causes Regulating the Value of Money* (1898).[6] In the first half of the nineteenth cen-

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tury a number of leading classical economists, including David Ricardo, had defended "the quantity theory of money" in understanding the inflation experienced during the Napoleonic Wars. They reasoned that a general rise in prices could not occur unless there was a sustained increase in the quantity of money. And they further argued that the only way to restrain government's temptation to abuse the printing press was to link the currency to a commodity, such as gold. Thus they advocated the gold standard as an institutional means to prevent government-caused inflations. For a variety of reasons many economists had turned away from the logic of the quantity theory of money by the end of the nineteenth century.

Wicksell set about the task of rehabilitating it.[7] He used Böhm-Bawerk's idea of a period of production between the application of inputs and the availability of outputs to serve as the framework for restating his version of the theory. In a nutshell, Wicksell argued that if goods were traded directly in barter, there would be a tendency for market forces to establish an interest rate that balanced the supply and demand for real capital for investment purposes. And this equilibrium rate of interest is what Wicksell called the "natural rate."[8]

However, in a complex economy goods are traded through a medium of exchange—money. If lenders lent their savings to borrowers in the form of money at a similar equilibrium rate of interest, then money would be "nothing more than a cloak" for the savings and investing of real resources for productive purposes. However, Wicksell says, "Liquid real capital (i.e., goods) are never lent. . . . [I]t is money which is lent, and then the commodity capital is then sold in exchange for this money."[9]

Depressed Interest Rate

Since it is money that is lent, and not real capital, the monetary authority is able to increase the supply of money available for lending and lower the money rate of interest below the "natural rate" to attract borrowers. Anticipated yields or profits on potential investments will now seem greater than before the fall in the money rate of interest, meaning that at the margin some production projects will now appear attractive that did not seem profitable at the previous higher rate of interest. However, not all types of investments are affected equally by the change in the rate of interest. Those with longer time horizons—longer periods of production before their completion—will be influenced to a greater degree because the lowering of the rate of interest increases the present value of these longer-term investment projects.

Developing several different models using slightly different assumptions, Wicksell presents his theory of how this lowering of the interest rate affects market processes.[10] But the crucial one that served as a springboard for later developments of the theory by other Austrian and Swedish economists is his two-period model.

Suppose, he says, that production processes normally take one year. But with the fall in the rate of interest because of the monetary expansion, two-year investment projects now appear profitable to some entrepreneurs. Using borrowed money, these entrepreneurs purchase and hire factors of production by bidding them away from their present employment in one-year projects. This means that at the end of the first year fewer goods and services will have been produced than would have been, because the required resources were drawn into projects that will not be completed for another year.

This greater scarcity of consumer goods, reflected in higher prices, "forces" society to save—that is, do without consumption goods they normally would have desired to purchase, but which are not available. But according to Wicksell, at the end of the second year, when the longer-term projects have been completed, society will be rewarded for this forced waiting with more and better goods made possible by the longer period of production.

Wicksell argued that if the monetary authority were to keep the money rate of interest constantly below the "natural rate" through continuous monetary expansion, a "cumulative process" of rising prices would

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be generated. The additions to the money supply would be borrowed by entrepreneurs who bid up the prices of the factors of production to keep or add them to their sectors of the economy. The workers and resource owners receiving those higher money incomes period after period would in turn, and in sequence, bid up the prices for the consumer goods they desire. Only an end to the monetary expansion and a rise in the rate of interest back to its "natural" level could bring the process to an end.

A few years later Wicksell restated his formulation of the Austrian theory of investment and the period of production, as well as his theory of money and how monetary changes influence production processes in his two-volume *Lectures on Political Economy*.[11]

Wicksell's outline of the way in which changes in the money supply modify the market rate of interest and influence the allocation of resources through the processes of production became the starting points for the Austrian and Swedish schools of economics in monetary and business-cycle theory. Ludwig von Mises in *The Theory of Money and Credit*, *Monetary Stabilization and Cyclical Policy,* and *Human Action*, and F.A. Hayek in *Monetary Theory and the Trade Cycle* and *Prices and Production* adopted Wicksell's framework for developing a theory of the business cycle.[12]

Mises's and Hayek's innovation was to demonstrate that there were market forces set in motion in Wicksell's "cumulative process" that would bring it to an end before many of the longer-term investment projects could be brought to completion. Thus the inflationary upturn in investment activity carried with it the seeds for an eventual downturn and correction when these capital projects were shown to be *malinvestments* resulting from *misdirection of resources* due to the lack of real savings needed to bring them to, and maintain them after, completion.[13]

In the 1930s Wicksell's ideas were developed in a slightly different direction by the Stockholm school of economists.[14] Two of the most important contributors from this period were Gunnar Myrdal and Erik Lindahl. Myrdal formulated a theory of "monetary equilibrium," in which he suggested the conditions that were required for avoiding Wicksell's cumulative process.[15] Lindahl accepted Wicksell's basic framework and then analyzed the change in the cumulative process if there were less-than-full employment in either the consumer-goods or investment-goods sectors of the economy or both; Lindahl also developed a "period analysis" of sequential change over time.[16] And in the late 1930s Bertil Ohlin defended the Swedish Wicksellian approach against the emerging Keynesian theory.[17]

Both the Austrian and Swedish variations and developments of Wicksell's seminal ideas on money and the business cycle were submerged in the tidal wave of Keynesian macroeconomics during most of the post-World War II period.[18] But in recent years there has been a renewed interest in Wicksell and his continuing relevance as found in the Austrian and Swedish variations on his themes.[19] And most especially the new generation of Austrian economists has begun a revival of this insightful tradition.[20]

Thus on the 150th anniversary of Knut Wicksell's birth, his ideas have as much interest and offer as much insight at the beginning of the 21st century as when he was first penning them at the start of the twentieth. □

1. Torsten Gardlund, *The Life of Knut Wicksell* (Stockholm: Almqvist & Wiksell, 1958), p. 118. The following account of Wicksell's life and career are taken from Gardlund's book and Carl G. Uhr, *Economic Doctrines of Knut Wicksell* (Berkeley: University of California Press, 1962).

2. Knut Wicksell, *Value, Capital and Rent* (New York: Augustus M. Kelley, 1970 [1893]).

3. This work has been partly translated as, Knut Wicksell, "A New Principle of Just Taxation" [1896], in R.A. Musgrave and A.T. Peacock, eds., *Classics in the Theory of Public Finance* (London: Macmillan, 1958), pp. 72–118.

4. James M. Buchanan, *Public Finance in Democratic Process: Fiscal Institutions and Individual Choice* (Chapel Hill: University of North Carolina Press, 1967), pp. 115–16; see also Duncan Black, "Wicksell's Principle in the Distribution of Taxation," in J.K. Eastman, ed., *Economic Essays in Commemoration of the Dundee School of Economics, 1931–1955* (London: Economists Bookshop for the LSE), pp. 20–21: "Inside Parliament Wicksell's principle, by requiring a high majority for an increase of expenditure and a very small minority for a reduction, would make increases of expenditure far more difficult and reductions far easier than with the normal requirement of a simple majority. The bias would be toward curtailment and reduction."

5. James M. Buchanan, *Better than Plowing and Other Personal Essays* (Chicago: University of Chicago Press, 1992), p. 6.

6. Knut Wicksell, *Interest and Prices: A Study of the Causes Regulating the Value of Money* (New York: Augustus M. Kelley, 1965 [1898]). The ideas in this work were also summarized by Wicksell in journal form in "The Influence of the Rate of Interest on Commodity Prices" [1898] in *Selected Papers on Economic Theory* (New York: Augustus M. Kelley, 1969 [1958]), pp. 67–89, and "The

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Influence of the Rate of Interest on Prices," *Economic Journal*, June 1907, pp. 213–20.

7. See Richard M. Ebeling, "Knut Wicksell and the Classical Economists on Money, Credit, Interest and the Price Level" *American Journal of Economics and Sociology*, July 1999, pp. 471–79.

8. Wicksell's use and meaning of the "natural rate" of interest is not without ambiguity. See Arthur W. Marget, *The Theory of Prices*, Vol. 2 (New York: Augustus M. Kelley, 1966 [1942]), pp. 201–204. Marget discerned at least eight different definitions of the concept in Wicksell's writings.

9. Wicksell, *Interest and Prices*, pp. xxvi, 135.

10. A detailed breakdown of Wicksell's analysis of different "periods" under "stationary" and "cumulative" conditions, as well as some of the inconsistencies to be found in his exposition, is presented in Uhr, pp. 235–45.

11. Knut Wicksell, *Lectures on Political Economy*, 2 vols. (Fairfield, N.J.: Augustus M. Kelley, 1977 [1901 and 1906]).

12. Ludwig von Mises, *The Theory of Money and Credit* (Indianapolis, Ind.: Liberty Classics, 1981 [1912; 2nd ed.,1924; 3rd ed., 1953]); "Monetary Stabilization and Cycle Policy" in Percy L. Greaves, ed., Ludwig von Mises, *On the Manipulation of Money and Credit* (Dobbs Ferry, N.Y.: Free Market Books, 1978 [1928]) pp. 57–171, and in Israel M. Kirzner, ed. *Classics in Austrian Economics: Samplings in the History of a Tradition* (London: William Pickering, 1994), pp. 33–111; and *Human Action: A Treatise on Economics*, 4th ed. (Irvington-on-Hudson, N.Y.: Foundation for Economic Education, 1996), pp. 538–86; F.A. Hayek, *Monetary Theory and the Trade Cycle* (New York: Augustus M. Kelley, 1966 [1929]); and *Prices and Production* (New York: Augustus M. Kelley, 1967 [1931; 2nd ed., 1935]).

13. For an exposition of the Austrian theory of the business cycle in contrast to the traditional Keynesian theory of the Great Depression, see Richard M. Ebeling, "The Austrian Economists and the Keynesian Revolution: The Great Depression and the Economics of the Short-Run," in Richard M. Ebeling, ed., *Human Action: A 50-Year Tribute* (Hillsdale, Mich.: Hillsdale College Press, 2000), pp. 15–110.

14. For an overview of the Swedish economists and their literature, see Richard M. Ebeling, "The Stockholm School of Economics: An Annotated Bibliography," *Austrian Economics Newsletter*, Winter 1981, vol. 3, no. 2.

15. Gunnar Myrdal, *Monetary Equilibrium* (New York: Augustus M. Kelley, 1965 [1933; 1939]).

16. Erik Lindahl, *Studies in the Theory of Money and Capital* (New York: Augustus M. Kelley, 1970 [1939]).

17. Bertil Ohlin, "Some Notes on the Stockholm Theory of Savings and Investment" [1937], reprinted in Howard S. Ellis, ed., *Readings in Business Cycle Theory* (London: George Allen & Unwin, 1950), pp. 87–130.

18. For a comparison and contrast of the Swedish and Austrian contributions on the basis of Böhm-Bawerk's and Wicksell's theories, see Richard M. Ebeling, "Money, Economic Fluctuations, Expectations and Period Analysis: The Austrian and Swedish Economists in the Interwar Period," in Willem Keizer, Bert Tieben, and Rudy ven Zijp, eds., *Austrian Economics in Debate* (London/New York: Routledge, 1997), pp. 42–74.

19. See David Laidler, *Fabricating the Keynesian Revolution: Studies of the Inter-war Literature on Money, the Cycle, and Unemployment*, Part I on "The Wicksellians," (Cambridge: Cambridge University Press, 1999), pp. 25–75.

20. Most recently, Steven Horwitz, *Microfoundations and Macroeconomics: An Austrian Perspective* (London/New York: Routledge, 2000); and Roger W. Garrison, *Time and Money: The Macroeconomics of Capital Structure* (London/New York: Routledge, 2001).

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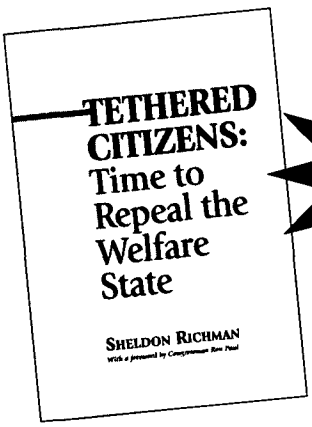

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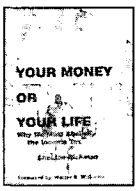

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The Ultimate Externality

Pick an economist at random and ask him or her, "What is government's chief role?"

The likely answer will be, "To correct market failures."

Economists have long understood that markets aren't textbook perfect. Sometimes they fail, most notably when part of the cost of a person's actions is shifted onto others who don't consent to bearing this cost. Economists call such problems "negative externalities." The term indicates that genuine problems arise whenever a decision-maker can foist at least some of the cost of his decision onto others who are external to it—onto unconsenting, peaceful adults.

Preventing such externalities is held to be the principal purpose of the state. Just as the state is duty-bound to prevent Jones from stealing Smith's wallet, the state must also prevent Jones's steel plant from pumping toxic chemicals into the air that Smith breathes, or at least compel Jones to get Smith's permission before polluting.

While genuine externalities no doubt exist in markets, research shows that they are not so common as Economics 101 textbook authors and newspaper editorialists typically assume. For example, prior to the enactment of the Clean Water Act in 1970—which largely substituted bureaucratic regulation for the private property rights that previously governed uses of inland waters—the extent of water pollution in the United States was surprisingly modest and under control. American rivers and streams were emphatically not filthy dumping grounds.

A free people are remarkably creative in devising ways to peacefully "internalize" what would otherwise be externalities. Government is certainly not the only feasible mechanism for dealing with such potential problems. As Professor Elinor Ostrom reports, "Extensive fieldwork has by now established that individuals in all walks of life and all parts of the world voluntarily organize themselves so as to gain the benefits of trade, to provide mutual protection against risk, and to create and enforce rules that protect natural resources."

But even conceding that some externalities defy private, voluntary solutions, giving the state the power to deal with them by no means reduces their extent and severity.

First, merely giving government power is insufficient to ensure that this power will be used as intended. To believe that writing words on paper—"the Department of XYZ shall do such and such"—is all it takes to ensure that bureaucracies will carry out a task (and nothing *but* that task) is to believe in magic. Even if the tasks are not impossible, they are unlikely to be carried out unless government officials have the proper incentives, which they too often lack. One of the greatest follies of our age is the widespread gullible faith that words inscribed on paper following a particular type of ceremony performed in marble-domed buildings will automatically

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result in the outcomes described by those words.

Second, government by its very nature is itself a source of negative externalities. Even if it carried out every task assigned to it with great efficiency, reliability, and precision, it would unavoidably also create negative externalities—costs imposed on unconsenting, peaceful adults.

Sunday Sales

Consider a simple example: In some U.S. states people cannot buy alcohol on Sundays. As in many other instances, the majority here uses the state to bend the minority to its will *without taking adequate account of the desires of the minority.*

Imagine someone entering a voting booth to vote on a ballot initiative to outlaw Sunday alcohol sales. Perhaps this person has a genuine religious belief that no one should drink on Sundays. He votes for the initiative.

But what has this person done but unilaterally act to satisfy his own desires at the expense of others who wish to enjoy the option of buying alcohol on Sundays? Just like the factory owner who robs his neighbors of clean air, this voter robs his neighbors of something valuable. And the reason is that, when casting a vote, this person (just like the factory owner) doesn't have to take the interests of his neighbors into account. He can costlessly impose his will on unconsenting third parties.

Careful readers might object, "No! Every adult citizen can vote. The voting process registers the preferences of both the proponents and the opponents of the ban. The losers in an election had their say. Their preferences just happen to conflict with those of the majority."

This objection fails. The mere ability to express opposition to behavior that imposes costs on you does not alone protect your interests if those who wish to impose these costs remain free to do so. Suppose that you tell the owner of the polluting factory that you object to his stealing your clean air. Without an effective ability to prevent him from continuing to pollute, he will likely do so. That you spoke out against the pollution to the factory owner—that "your voice was heard"—doesn't change the fact that the ongoing pollution imposes a negative externality on you.

It's the same with bans on Sunday sales of alcohol. Each person who votes to ban these sales does so without having to take account of the preferences of others. By simply pulling a lever, each voter acts to inflict his moral views on peaceful others, making them worse off. The votes cast against the ban don't stop its proponents from voting for it without taking account of the interests of others.

The greater the scope of government power, the greater the number of instances in which each of us, as a voter, can impose our preferences on others. Moreover, because the personal consequences to each voter of yanking this lever rather than that lever are nil, each voter is fundamentally irresponsible. Each can express his views about how others should live without in the least taking serious heed of the consequences to others. And whenever those who prefer to restrict the freedom of others are in the majority, the minority are obliged to obey.

A state that stands ready to coerce those with less political power to do the bidding of those with greater political power is a constant source of negative externalities to the losers. To promote the state as the solution to what few private externalities exist is a bizarre irony and a dangerous hoax. □

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BOOKS

It Didn't Happen Here: Why Socialism Failed in the United States

by Seymour Martin Lipset and Gary Marks

W.W. Norton & Company • 2000 • 379 pages • $26.95

Reviewed by George C. Leef

Readers of this magazine will automatically be inclined to look askance at the title of this book. The United States slid into socialism, sometimes at a rapid pace and sometimes slower, during most of the twentieth century. Things don't appear to be changing in the new century. To say that socialism has failed here is to overlook an enormous amount of socialistic law and regulation. But what political scientists Lipset and Marks mean by their title is that there never developed the kind of powerful political party overtly committed to nationalization of industry and redistribution of wealth that arose in most of the rest of the Western world.

It's true that we have not seen anything like the Labor Party in Britain or the Socialists in France. Lipset and Marks endeavor to explain why that is so. So long as they stick to the terrain of political and sociological explanation, their book succeeds. Unfortunately, when they leave that terrain for a discussion of the implications of socialism's "failure" here, *It Didn't Happen Here* runs into grave difficulties.

Lipset and Marks advance several answers to their "Why did socialism fail?" question and also reject some that others have put forth. In the latter category, for example, is the political repression argument. Some hardbitten socialists have contended that socialism was nipped in the bud by arrests, trials, and jailing of firebrands in the early twentieth century as well as judicial crackdowns on union activity. The authors reject that argument, observing that there were pockets of socialist success despite the repression—which was never widespread or systematic—and that judicial interference with union activity before the New Deal was rare.

The causes of "American exceptionalism" that Lipset and Marks posit are several. First, something in the American character created a barrier to the appeal of socialism. "Socialism," they write, "with its emphasis on statism, socialization of the means of production, and equality through taxation, was at odds with the dominant values of American culture." This point is certainly correct. Compared with Europe, where, owing to the rigidities of their economic structures, people had little opportunity to improve their lives, upward mobility was a well-known fact in America. Naturally, fewer people were ready for the socialists' appeal to envy and advocacy of coercion.

Another explanation the authors advance is the fact that suffrage, for men at least, was widespread before the beginning of the socialist movement. They observe that in the United States (and also such countries as Switzerland and Australia), major nonsocialist political parties "had already sunk roots into the working class," making it difficult for a new, avowedly socialist political party to gain much headway. That point, too, rings true.

Another convincing point the authors make is that the great diversity of the American population hindered the rise of the kind of militant workers party envisioned by socialists. Lipset and Marks write, "[E]thnic, religious, and racial cleavages were more powerful sources of political identity for most American workers than was their commonality as workers." Whereas European workers were a pretty homogeneous lot possessing something of the "class consciousness" that Marxists are always talking about, Americans were a far more heterogeneous group and the thought "I'm a worker" was less common than the thought "I'm an Italian" or "I'm a Jew."

There is much more to their explanation, and it's perfectly sensible. Lipset and Marks go astray, however, when they discuss the implications of socialism's "failure;" they believe that American policy has been less

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desirable than it would have been if we had had a powerful socialist party. They write, "[T]he organizational strength of the lower class of a society is decisive in determining the relative life chances of poorer people." In their view, it's bad that socialism didn't develop in the United States because "those toward the bottom of a society must rely on political power if they are to influence the laws of their society."

Lipset and Marks have swallowed that great piece of sucker bait that socialists dangle in front of people concerned about the poor—that they are doomed to a squalid and unfair existence unless the state disembowels the market economy with redistributive programs. Nowhere do they recognize that many extremely poor people rapidly worked their way out of poverty in America prior to the advent of the welfare state. Nor do they see that the supposedly pro-poor programs of socialist states induce an economic arteriosclerosis that makes it far more difficult for poorer people to succeed. And they are blind to the fact that even in the hands of socialists, government policy inevitably comes to favor some groups at the expense of others. In France, for example, socialist policy is very pro-farmer, keeping food costs artificially high for everyone.

Too bad the authors tarnished their work with ill-informed prattling about the consequences of the "failure" of socialism in America. □

George Leef is the book review editor of Ideas on Liberty.

Microfoundations and Macroeconomics: An Austrian Perspective

by Steven Horwitz

Routledge • 2000 • 276 pages • $100.00

Reviewed by Gene Callahan

Professor Steven Horwitz of St. Lawrence University has written an important new book laying the foundation of an Austrian school approach to macroeconomics. Horwitz is not addressing only fellow economists: While this book is certainly not an introductory work (don't give it as a gift instead of *Economics in One Lesson*), it is readily accessible to any reader who follows the economic arguments put forth in this magazine.

Horwitz begins by stating his agenda. He hopes to advance Austrian macroeconomics, seeking to demonstrate to mainstream macroeconomists that a viable alternative vision exists, one that adeptly treats many problems ignored by the mainstream approach. He explains that the Austrian themes of subjectivity, methodological individualism, and the market process focus macroeconomic explanation on the behavior of the individual in response to economy-wide disturbances, such as inflation or deflation.

Following the introduction is an excellent chapter that traces the development of a distinctive Austrian approach to economics and describes the history of Austrian interaction with the emerging neoclassical paradigm, which since has come to dominate the profession. Horwitz highlights the time when these two traditions nearly merged, before diverging again. In the 1930s Lionel Robbins incorporated certain Austrian insights into Marshallian economics, helping to define the neoclassical school. This Austrian-Marshallian synthesis focused on the properties of equilibrium markets, which were taken to be a good approximation of the real world. However, Hans Mayer's critique of price theories that simply assumed equilibrium foreshadowed F.A. Hayek's work on knowledge and prices. Austrians moved away from Robbins's formulation of economics, emphasizing the freedom and unpredictability of human action. Austrians came to view general equilibrium as a model of an unreal and unobtainable world, which nevertheless aids our view of the market process.

Horwitz goes on to discuss the role of capital in macroeconomics. As Ludwig von Mises, Ludwig Lachmann, and Israel Kirzner have pointed out, the salient aspect of capital goods is that they are a part of someone's plan to produce one or more consumer goods. Because of the goal-oriented nature of capital goods, it won't do to aggregate "society's capital" and confine economic analysis to this

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aggregate. Many entrepreneurial plans contain elements incompatible with others' plans, so it is not possible for them all to succeed. Horwitz faults both neoclassical and Keynesian analysis for neglecting this heterogeneity of capital.

The next topic taken up is the theory of monetary equilibrium. Horwitz uses this equilibrium construct as a foil to highlight the consequences of inflation and deflation, a classic Austrian use of static constructs. He defines monetary equilibrium as a situation where the supply of and demand for money are in balance. This seems trivial, until we realize that the means by which most markets move toward equilibrium, a change of price for the single good in question, cannot work for money—as Leland Yeager points out, money has no market, and no price, of its own. After a disturbance in the supply of or demand for money, *all* prices in the economy must adjust. This process takes time and does not occur uniformly across the economy.

Horwitz goes on to highlight the effects of this time lag in this adjustment process, employing the classic Austrian theory of the business cycle, as developed by Mises and Hayek, and the theories of "Austrian fellow travelers" Yeager, Axel Leijonhufvud, and W.H. Hutt. The section on the unjustly neglected Hutt was especially enlightening, focusing on the importance Hutt placed on the institutional barriers to rapid price adjustment. Horwitz closes by speculating on the policy implications of Austrian macroeconomics, deciding that free banking offers the best hope of smoothly adjusting the money supply as needed.

I have a couple of quibbles with the book. Horwitz is mistaken, I think, when he contends that Mises was firmly against fractional reserve banking. Also, while in one chapter Horwitz refutes Hans-Hermann Hoppe's ethical argument about the relative wealth effects of inflation, he employs nearly the same argument in another chapter. However, these are minor blemishes in an otherwise excellent book. □

Gene Callahan is an adjunct scholar with the Ludwig von Mises Institute and author of Economics for Real People.

Education in a Free Society

edited by Tibor Machan

Hoover Institution Press • 2000 • 149 pages • $16.95 paperback

Reviewed by Karen Y. Palasek

Editor Tibor Machan states in his introduction to this collection of four essays that "The primary concern in this book is whether human individuality is compatible with coercive public education." Each of the four perspectives offered takes a unique approach.

The late E. G. West's contribution, "Public Education and Imperfect Democracy," takes an economist's-eye view of the topic. It is a well-thought-out discussion of voucher plans in particular, focusing finally on the policy possibilities for an evolution toward a free-market alternative to public schools, including the near-complete withdrawal of government from education. Professor West's conclusions are that market diversity and parental authority, as evidenced in the Milwaukee experiment, are sufficient indicators of the success that a fully market-oriented educational system can provide.

Psychologist Carol B. Low's essay on "Schools and Education: Which Children Are Entitled to Learn?" focuses on the goals of public education in contrast to the quite different goals of traditional private education. Low, looking at the group makeup of girls versus boys, the treatment of gender differences as "disorders," and the methods in which public schools deal with these issues, argues those schools' primary aim is equalization, homogenization, and socialization among all members. As Low remarks, "Our children are unable to discover who they are and what they are and where they are going in life because there is a system in place with the power to tell them." In contrast to the public-education model of a good student, Low presents the expectations of a traditional private education: the ability to think and to understand, the expansion of individual knowledge, and the presumption that one strives to rise to his or her highest potential. What should education in a free society be like? Education that

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knows our children as more than public-school students. The final somber note of the essay reflects on the sad and pernicious system of social conditioning that crushes individuality instead.

Philosopher J. Roger Lee writes an exposition entitled "Limits on Universal Education." Only when we come to the very end do we comprehend the method in Lee's approach. He presumes a universal education, but wants to enlighten us as to what moral, religious, or political ideas it may legitimately include. He summarizes, "Given that we may include these topics in the domain of whatever universal education we provide children, should we do so? The answer is yes—but not much."

Lee could improve the appeal of his essay immeasurably if readers could grasp its direction at the outset. It reads like a long, meandering stroll, and some will need to be convinced of the value of making the journey in the first place.

Sheldon Richman's essay is the final contribution to the book. I would have preferred that it be the opening essay, as it would have helped lend a framework to the collection as a whole. "Individuality, Education, and Entrepreneurship," would be best, however, as a stand-alone work, perhaps a book in itself. There is an urgency in the quest for alternatives to government's role in education, says Richman, because children "languish" in a system that is not responsive to individual differences. Private education can both afford to use trial and error to weed out unsuccessful methods, and has a strong incentive to do so. Government-directed education distributes rewards regardless of success in meeting client demands, while private education is an entrepreneurial activity—rewarded only if it serves clients' wishes.

Schooling is seen as "a service offered to competent buyers (parents) in the marketplace, . . ." and not "the missionary or therapeutic work of an enlightened elite mercifully bestowed on the benighted and unappreciative masses." Richman's essay argues that only the complete divorce of government from all aspects of education, including vouchers and charter schools, is likely to effect significant change. Parental rather than governmental oversight acknowledges the rights of parents, encourages them to make competent assessments of their children's needs and progress, discourages continued parental ignorance, complacency, and irresponsibility, and restores liberty, with the accompanying risks and rewards, to citizens and families in our society.

As a volume, *Education in a Free Society* strays from its mission. There is more discussion of reform than of freedom in three of the four essays, and more dissimilarity than cohesiveness. If there is any theme which emerges from every essay, it is the conviction that governmental schools are doing very badly by children in our society, a society that claims individuality, freedom, and personal enterprise as its ideals, but fails to apply them to its youngest citizens. □

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When in the Course of Human Events: The Case for Southern Secession

by Charles Adams

Rowman & Littlefield • 2000 • 272 pages • $24.95

Reviewed by Joseph R. Stromberg

Some reviewers have had a hard time with the present book. They imagine that there is a single historical thesis therein, one subject to definitive proof or refutation. In this, I believe they are mistaken. Instead, what we have here is a multifaceted critique of what must be the most central event in American history.

This is not Mr. Adams's first book. His *For Good and Evil: The Impact of Taxes on the Course of Civilization* (1999) lives up to its title and underscores the importance of a matter frequently ignored by conventional historians. Taxation and other fiscal matters certainly play a major role in Adams's reconstruction of the War for Southern Independence.

Those who long for the simple morality play in which Father Abraham saved the

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Union (always capitalized) and emancipated slaves out of his vision and kindness have complained that Adams has ignored slavery as a cause of the war. That is incorrect. Slavery and the racial issue connected with it are present; they do not, however, have the causal stage all to themselves.

In chapter one, Adams sets the American war over secession in a global context by instancing other conflicts of similar type. He plants here the first seeds of doubt that political separation is inherently immoral. Chapter two deals with Fort Sumter and Lincoln's successful gamble to have the Confederacy "start" the war. Here one learns that the Fort was primarily a *customs house*—a nice bit of symbolism, especially since the South paid roughly four times as much in tariffs as the North did.

Given that, Lincoln was very concerned about his tariff revenues in the absence of the Southern states. After Fort Sumter, the (Northern) President unconstitutionally established a blockade of Southern ports on his own motion. Soon, Lincoln had robbed Maryland of self-government and was making other inroads on civil liberty—his idea of preserving the Constitution via his self-invented presidential "war powers" (of which there is not a word in the actual document).

In chapter four, Adams unfolds his revenue-based theory of the war. The shift from a pro-peace to a pro-war position by the New York press and key business interests coincided exactly with their realization that the Confederacy's low tariffs would draw trade away from the North, especially in view of the far higher Northern tariff just instituted. There is an important point here. It did not automatically follow that secession *as such* had to mean war. But peace foretold the end of continental mercantilism, tariffs, internal improvements, and railroad subsidies—a program that meant more than life to a powerful Northern political coalition. That coalition, of which Lincoln was the head, wanted war for a complex of material, political, and ideological reasons.

Adams also looks at what might well be called Northern war crimes. Here he can cite any number of pro-Lincoln historians, who file such things under grim necessity. Along the way, the author has time to make justified fun of Lincoln's official theory that he was dealing with a mere "rebellion" rather than with the decision of political majorities in eleven states.

Other chapters treat the so-called Copperheads, the "treason trial" of Jefferson Davis (which never took place, quite possibly because the unionist case could not have survived a fair trial), a comparative view of emancipation, and the problems of Reconstruction. The author's deconstruction of the Gettysburg Address will shock Lincoln idolaters. Adams underlines the gloomy pseudo-religious fatalism with which Lincoln salved his conscience in his later speeches. This supports M.E. Bradford's division of Lincoln's career into Whig, "artificial Puritan," and practical "Cromwellian" phases—the last item pertaining to total war.

To address seriously the issues presented by Adams requires a serious imaginative effort, especially for those who never before heard such claims about the Constitution, about the war, or about Lincoln. Ernest Renan wrote that for Frenchmen to constitute a nation, they must remember certain things and were "obliged already to have forgotten" certain others. Adams focuses on those things that Northerners, at least, have long since forgotten.

What Adams's book—with or without a single, central thesis—does, is to reveal that in 1860 and early 1861 many Americans, north and south, doubted the existence of any federal power to coerce a state and considered peaceful separation a real possibility. In the late 1780s *The Federalist Papers*, for example, laughed down the notion that the federal government could coerce states in their corporate, political capacity. For much of the nineteenth century Americans saw the union as a practical arrangement *instrumental* to other values. That vision vanished in the killing and destruction of Mr. Lincoln's war. Americans paid a rather high price for making a means into an end. □

Joseph Stromberg is the JoAnn B. Rothbard historian-in-residence at the Ludwig von Mises Institute.

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One Market Under God: Extreme Capitalism, Market Populism, and the End of Economic Democracy

by Thomas Frank

Doubleday • 2000 • 414 pages • $26.00

Reviewed by Brian Doherty

Thomas Frank is the hippest leftist theorist around. He publishes *The Baffler*, a journal of cultural criticism mostly aimed at the evils of corporations. Frank is a hero at *Harper's* and gets his books—essay collections of social criticism, not generally considered hot properties—published by the biggest New York publishers. His first book, *The Conquest of Cool*, lamented that corporations and advertisers have co-opted the language of radicalism and rebellion, tamed them, and made them meaningless.

Frank is one of the most well-known exponents of a widely spreading trope among socialists: that the laissez-faire free-market mentality has completely conquered the worlds of intellect and policy; that we live in a free-market dystopia where everyone is poor and getting poorer, on the verge of unemployment, and where no one dares suggest, much less act on, the idea that unfettered corporations in an unbounded free market should be interfered with in any way.

This may strike actual advocates of radical laissez faire, who haven't noticed their decisive victory, as peculiar. It might be interesting to actually see the evidence this intellectual wunderkind musters to buttress this notion. Alas, Frank thinks his assertions are beyond argument. His book's almost infinite ratio of derisive summation to actual argument against his opponents indicates that, despite his weird claim that free-market ideology reigns uncontested, Frank believes his readers already agree with him. He's merely the high priest at the ritualized verbal flaying of the heretics.

He starts with the assumption that laissez faire has triumphed, and says his book will tell "the story of . . . how the American corporate community went about winning the legitimacy it so covets, persuading the world that the laissez-faire way was not only the best and the inevitable way, but the one most committed to the will and the interests of the people."

What this means, in practice, is hundreds of pages of witlessly ironic summations of writers to whom Frank attributes this supposed laissez-faire rout. People who say the Internet could be liberating, like George Gilder, or that the microchip has profoundly changed the world, like Kevin Kelly, are gibbering jerks. Those who hyped the '90s stock-market boom and growth in mutual-fund ownership are enemies of the people, from Peter Lynch to the Motley Fools to the Beardstown Ladies. Those who suggest even partial privatization of Social Security are deluded dupes of Wall Street barons. Boosters of the changing nature of business management, from the Body Shop's Anita Roddick to pop-management consultants like Tom Peters or Peter Senge, are all liars and charlatans.

Frank is correct that the triumphalist blatherings of certain neo-globalists like the *New York Times*'s Thomas Friedman are overdone, and that the contentless "constant change" rhetoric of pop-management consultants is frequently laughable. Alas, it's hard to get a chuckle even out of those parts since Frank's relentless tone of haughty sneering leaves little room for the joy of a skilled, witty evisceration of the deserving.

Like most post-Soviet leftists, Frank avoids explicitly articulating his vision of a just and proper world. In effect, Frank argues, the only valid definition of "radical" is: that which is opposed to those with more money than me. (One couldn't say Frank thinks radicalism should be aimed at "the rich," since by any objective definition the American workers whose burden Frank assumes are fabulously wealthy compared to the overwhelming majority of humans, living or dead.)

Frank believes that the world of business and work is one of pure coercion and the destruction of the weak. No one who works is doing what he wants to do, and attempts to make the workplace more appealing—casual days, free juice, a more decentralized structure—are laughable attempts to paper over

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this reality. And yet, he simultaneously seems to think that losing one's position in this hellish system of coercion is a crime, too, as witness his excoriations of anyone who dares lay off an employee for any reason.

Though he doesn't spell it out, Frank seems an old-fashioned socialist looking forward to the day when no one has to work because the government is—somehow, some way—giving them everything they want. He's the ultimate anti-Hayek, whom Frank singles out for typically unargued derision: Frank believes that, through the glories of labor unions and activist government, the people have the power and ability to manipulate the market and the world to get everything they want, at the expense of everyone wealthier than they are. That vision no longer holds much power; perhaps the error at the root of this misguided and dull book is mistaking the collapse of pure socialist doctrine for the victory of unbridled laissez faire. □

Brian Doherty is an associate editor at Reason *magazine.*

Rolling Back the Market: Economic Dogma and Political Choice

by Peter Self

St. Martin's Press • 2000 • 265 pages • $26.00 paperback

Reviewed by Michael D. Mallinger

Critiques of the market system are a dime a dozen. Authors of these critiques typically choose to gloss over most of the theory underlying classical economics and classical-liberal political philosophy. However, what sets Peter Self apart is his willingness to examine how the writings of modern scholars like F.A. Hayek and James Buchanan relate to the original views of political economy developed by Adam Smith, John Stuart Mill, and others.

Although Self is able to uncover some of the bridge between contemporary and historical supporters of economic liberty, he is unwilling to explain how the academic ideas of classical economists have led Public Choice scholars to question the efficiency of the political allocation of resources in an economy.

Self's chapter on philosophy begins on a positive note. He characterizes the origin of political liberalism this way: "Liberalism is basically an individualist tradition. It celebrates the rights and responsibilities of individuals. Its strong attachment to individual freedom stresses the right of individuals to choose and make their own lives and to take responsibility for the outcomes. It also endorses equality in the sense of the equal moral worth of all individuals and their entitlement to respect and consideration. As a child of the Enlightenment, liberalism has always had strong belief in the value of human reason and in the possibility of human progress."

From this he explains how the writings of Smith and John Locke enabled individuals to progress from a social system based on personal status to a system based on contractual relations made possible by the spread of market-based principles. He notes that Mill formally laid down the framework of how market economies function, but claims his unhappiness with the outcomes of those economies led him to advocate a guaranteed basic income for all workers. Thus, like Jan Narveson, Self claims that Mill's work led to a split between "negative" liberals who accept market-based outcomes and "positive" liberals who believe that states should enable individuals to maintain their personal autonomy, but must also provide them with a "minimum of resources and opportunities."

Self cites Hayek and Herbert Spencer as the key scholars who sounded the alarm on the growth of government. He rightfully credits Hayek for anticipating the tyranny of fascist and communist totalitarian regimes; he also credits Hayek with issuing "a comprehensive warning of the destruction of liberty, which results from the complete concentration of political and economic power in the same set of rulers." As a result, he states that separating and dispersing political authority among autonomous individuals is necessary for liberty to persevere.

Unfortunately, although Self emphasizes the links from Smith and Mill to Hayek and

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Buchanan, he is unable to comprehend the logical consistency among all of their arguments. He asserts that individuals who lived in the era when the classical economists wrote had strong moral standards regarding their personal and family lives that are largely absent today. That may be true, but it doesn't weaken the case for laissez faire. In addition, he claims that the growth of capitalism occurred to serve a specific moral mission—to lift the poor out of misery and exploitation. Had Self better understood Hayek, he would know that spontaneous orders do not grow to serve particular purposes.

While Self's analysis of the philosophy of liberalism provides some insight into how markets produce wealth, his discussion of various policy issues leaves much to be desired. His section on the failure of the price mechanism to take account of environmental costs reads like a summary of *Earth in the Balance* rather than serious scholarship. His critique of free trade repeats much of the mindless rhetoric used by the various groups that demonstrated against the World Trade Organization in Seattle. His case against Gordon Tullock's theory of rent-seeking rests on the assertion that certain interest groups seek to remedy social or environmental problems that "transcend the market" rather than pursuing their own selfish interests. But there is far too much evidence that idealistic groups are eventually captured by those who use them for personal gain to take Self's argument seriously.

Overall, Self's examination of the philosophy underlying classical economics and classical liberalism is more fair and enlightening than one would expect in a critique of the market system. Unfortunately, much of the rest of the book is gravely flawed. □

Michael Mallinger is a research associate at the Competitive Enterprise Institute.

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IDEAS ON LIBERTY
DECEMBER 2001

America and "the World's" Resources

At the heart of almost all economics is the idea of mutually beneficial exchange. When two people voluntarily engage in an activity, economists assume that both parties are better off. Otherwise, one of them would have refused the deal. It doesn't mean people don't make mistakes—sure they do. And sometimes people regret the choices they make. But, in general, people do what they do because they get pleasure or satisfaction or some kind of benefit from their actions.

Not everyone is comfortable with this view of the world. A lot of people see the world as a zero-sum gain—any benefit I receive comes at your expense. In this view, corporations take advantage of their workers and their customers and the economic marketplace is a battlefield where the "haves" are always routing the "have-nots," where the rich get richer and the poor get poorer.

Sometimes this view gets applied to the economic success of America versus the rest of the world. In the '60s this view condemned American corporate imperialism. We took the raw materials from poor countries and profited. The complaint was that there was no investment. Today, American multinationals do invest in foreign countries. Still, they are condemned.

One proof offered by these critics of how rapacious America is in the rest of the world is the observation that America consumes more than "its share" of world output. We are only 5 percent of the world's population, yet we consume x percent of the world's resources. Usually x is given as 25. I recently found a commencement address online by a noted writer that put the number at 75. The implication is that this is somehow unfair. It implies that some sophisticated form of theft is at work.

The usual response by the economist to this kind of remark is that, well, after all, the United States produces a healthy share of the world's resources. And when you take that into account, it's not so unfair anymore.

This response, which I've given myself many times, misses making the most important point about the issue. The real point is that the world's resources, however you define resources, are not finite, to be split like a pie into slices. The world is not a zero-sum game where America's wealth comes at the expense of others.

One way to see this is on an individual level. Bill Gates is a wealthy man. He is only able to take money from millions of people because he provides something in return—software—which the consumers value more than the money. Suppose Bill Gates's lakeside villa in Seattle burns down and the blaze also consumes a few boats and cars. Gates has less wealth. Does anyone else have more? Sure he might rebuild the house and benefit some builder, but as Bastiat points out, something

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else that Bill would have spent money on isn't going to happen, so that's a wash. The world is poorer if Bill Gates's house burns down, even though his share of the world's wealth has gotten slightly (very slightly) smaller.

Let's make the impact more dramatic. Suppose Bill shrugs. Tired of the government's lawsuits, he decides to sabotage Microsoft and destroy the company. As a major stockholder, his wealth would fall dramatically. Would the rest of the world be richer?

Now take it to the national level. Let's say Americans go through a religious or philosophical transformation and suddenly decide to work half as hard, accept lower pay, and spend more time reading, swimming, hanging out with their families, and so on. We would still be 5 percent of the world's population. We would no longer have command over 25 percent of the world's resources. But those resources wouldn't be magically freed up to go to poorer citizens of other nations. The resources created in the past when we worked harder simply wouldn't exist.

Maybe what people really have in mind when they complain about our disproportionate share of the world's resources is that we should give more of it away. We have too much. The same complaint is often heard about Bill Gates. He has too much.

This is the only sense in which there is something of a zero-sum game. Things I decide to keep and not give away to you are things you don't have. Implicit in this strange understanding of the world is again a very static view of wealth creation.

The Product of Luck?

I remember hearing a prominent economist say that wealth was not the product of wisdom or skill but of luck. Therefore, we can tax wealth at 100 percent and redistribute it to those without wealth. I wasn't sure whether the word "therefore" was a moral statement or a practical one, but taking the practical interpretation, I thought, sure, you can do that. Once. After the first time, even the wealthy who are merely lucky are going to stop trying to accumulate wealth. Similarly, I don't think American citizens are going to continue to accumulate wealth for the purpose of giving it all away. Sure they give some of it away. For me, charity is a moral imperative. But I know of no religion or moral system that demands you give all of it away. There is a name for that: slavery.

There is one more possible interpretation of the 5 percent/25 percent criticism: it is referring only to physical resources like oil, energy, tin, titanium, and so on. Such resources, the critics would argue, are surely finite, and therefore every barrel of oil left in the ground is a barrel for someone else to have. So America consumes "too much."

This analysis is also flawed. It assumes that the natural resources of the world are miraculously sitting in some giant pile, waiting to be distributed. In fact, natural resources have to be found and uncovered at great expense. If we didn't consume them or use them to produce other products, they wouldn't be freely available to the poor. But there is a bigger flaw. As Julian Simon pointed out (see *The Ultimate Resource 2,* for example), there is no real sense in which the world's physical resources are finite. Due to the unlimited creativity of humanity, we are able to discover new sources and use old ones more effectively.

I suspect what motivates those who complain about America's unfair share is a particular measure of fairness—simple egalitarianism. No one should have more than anyone else. If that is their true goal, the only way to achieve it is through force and the impoverishing of not just the United States but those we trade with around the world. □

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INDEX
IDEAS ON LIBERTY
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Prepared by Beth A. Hoffman and Mary Ann Murphy of the editorial staff of Ideas on Liberty

Note: in page references, the number preceding the colon designates the month, the numbers following refer to the pages. Articles have at least three entries—author, title, and subject—except in cases when the title and the appropriate subject coincide. Books reviewed are listed alphabetically by author on pages 63–64.

🍎 articles are listed under Lesson Plans for easy reference.

A

"A" word (Boudreaux) 7:4–5
ADVENTURES in zoning (Morriss) 7:35–37
AFFIRMATIVE chemical action (Szasz) 3:35–36
AFRICA
  Sorry record of foreign aid in Africa (Peron) 8:43–47
  South Africa's polarized politics (Peron) 1:47–51
AGRICULTURE
  Farm credit fraud (Bovard) 1:17–20
AIR TRAVEL
  Great airship race (Laffitte) 2:20–22
ALM, Richard. *See* co-author (Cox)
AMERICA and "the world's" resources (R. Roberts) 12:53–54
AMERICAN HISTORY
  Freedom of education: a civil liberty (Loberfeld) 8:26–32
  James J Hill: transforming the American northwest (Oliver) 7:44–48
  Inventive period (Bernstein) 4:10–16
  Self-government and the distinctive character of American civil society (Eicholz) 7:8–12
ANOTHER Alcoa executive at Treasury (Reed) 6:15–16
ANTI-CAPITALIST children of capitalism (Moseley) 3:14–16
ANTITRUST benefits consumers? it just ain't so! (DiLorenzo) 1:6–7
ANTITRUST. *See* Monopoly
APPEASING China, backing Taiwan? (Bandow) 1:28–29
ARE people pleased with the efficient amount of pollution? (Lee) 6:43–44
ARE there two libertarianisms? (Peron) 6:39–42
ARISTOCRACY of pull? (Wilson) 8:18–21
ASIA
  Appeasing China, backing Taiwan? (Bandow) 1:28–29
Asia, continued
  Beijing's "cruel choice" (Lingle) 8:35–36
  Education, creativity, and prosperity: east versus west (Lingle) 3:37–39
  New China (Tritten) 9:19–20

B

BAD old days (Richman) 9:2–3
BAIRD, Charles W.
  A reply to a labor priest. 9:48–50
  The pursuit of happiness column
  Bastiat and unionism. 11:63–64
  Congress and public safety unionism. 2:63–64
  It depends on what the meaning of "advice" is. 5:63–64
  Unions draft temporary workers. 8:63–64
  See also book reviews (Friedman)
BALAKER, Theodore. *See* book reviews (Courtois)
BALKAN stupidities (Bandow) 7:23–24
BANDOW, Doug
  Potomac principles column
  Appeasing China, backing Taiwan? 1:28–29
  Balkan stupidities. 7:23–24
  Bombing without end. 6:25–26
  Budgetary immortality. 2:23–24
  Demonizing drug makers. 9:24–25
  Let our allies defend themselves. 12:20–21
  Letting competition reign. 8:22–23
  Making environmental tradeoffs. 5:25–26
  A maturing Europe? 10:24–25
  The other political story. 4:26–27
  The Robert Downey Jr. problem. 3:25–26
  Uncle Sam's false fuel economy. 11:22–23
  See also book reviews (Shawcross)
BANKING. *See* Money
BARGER, Melvin D.
  How Henry Ford zapped a licensing *monopoly*. 12:8–12
BARRY, Norman
  Great Britain finally makes it to the eighteenth century. 2:28–31
  Harmony from liberty. 6:19–24
  The never-ending welfare debate. 3:19–23
  Phony marketeers. 9:31–34
BAST, Joseph L. *See* book reviews (Huber)
BASTIAT and unionism (Baird) 11:63–64
BASTIAT, Frédéric
  What is seen and what is not seen. 6:12–14
BASTIAT, Frédéric, ideas of – 200th birthday commemoration
  Bastiat: champion of economic liberty (Ebeling) 6:27–31
  Bastiat: the primacy of property (Dorn) 6:32–36
  Bastiat and unionism (Baird) 11:63–64
  Bastiat's life (Richman) 6:8–11
  Harmony from liberty (Barry) 6:19–24
BATEMARCO, Robert. *See* book reviews (Miller; Robertson)
BEIJING'S "cruel choice" (Lingle) 8:35–36
BENSON, Bruce L.
  Federal immunity from toxic government. 10:31–33
BERNSTEIN, Andrew
  Black innovators and entrepreneurs under capitalism. 10:18–22
  The inventive period. 4:10–16
BEWARE the ides of April (plus two) (T. Roberts) 4:8–9
BEYOND GDP: a breakthrough in national income accounting (Skousen) 4:53–54
BIGGS, Andrew G. *See* book reviews (Baker and Weisbrot)
BIOGRAPHY
  Böhm-Bawerk, Eugen von: a sesquicentennial appreciation (Ebeling) 2:36–41
  Bill Brosnan: railroad free-marketeer (Morgret) 1:41–44
  Powel Crosley—America's forgotten entrepreneur (Young) 10:48–51
  James J. Hill: transforming the American northwest (Oliver) 7:44–48
  Happy birthday, Carl Menger (Richman) 2:2–3
  Knut Wicksell: a sesquicentennial appreciation (Ebeling) 12:37–42
BLACK innovators and entrepreneurs under capitalism (Bernstein) 10:18–22
BLAME congress for HMOs (Brase) 2:8–11
BLESSED debt (Richman) 4:34–35
BLOCK, Walter
  Socialized medicine is the problem. 12:15–16
BÖHM-BAWERK, Eugen von: a sesquicentennial appreciation (Ebeling) 2:36–41
BOMBING without end (Bandow) 6:25–26
BOUDREAUX, Donald J.
  Thoughts on freedom column
  The "a" word. 7:4–5
  Compensate workers harmed by trade? 11:53–54
  Courage overlooked. 2:4–5
  Don't be framed. 5:4–5
  Human creativity. 3:4–5
  On reading history. 8:4–5
  An open letter to senators Clinton and Schumer. 9:4–5
  Simplistic answers. 10:54–55
  The ultimate externality. 12:43–44
  Why all the con artistry? 1:4–5
  The will of the market? 4:4–5
  Wonders in perspective. 6:4–5
  See also book reviews (Cowen)
BOUGHT mind (Szasz) 7:33–34
BOVARD, James
  Dictatorship of lawyers. 4:30–33
  Farm credit fraud. 1:17–20
BRADLEY, Robert L., Jr.
  The sustainable—and young—hydrocarbon energy age. 11:20–23
BRANDEN, Nathaniel
  Reflections on self-responsibility and libertarianism. 4:20–25
BRASE, Twila
  Blame congress for HMOs. 2:8–11
BROSNAN, Bill: railroad free-marketeer (Morgret) 1:41–44
BROWN, Matthew. *See* co-author (Grewell)
BUDGETARY immortality (Bandow) 2:23–24
BUSINESS, business cycle
  Antitrust benefits consumers? it just ain't so! (DiLorenzo) 1:6–7
  Courage overlooked (Boudreaux) 2:4–5
  Economy is cyclical? it just ain't so! (Garrison) 9:6–7

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Business, continued
How the computer emancipated the American corporation (Schweikart) 3:27–31
Illusion of control (Mayer) 9:42–44
Importance of feedback (Conerly) 12:17–19
No Yahoo! for new shareholder plan (Galles) 12:33–34
Why do immigrants own inner-city stores? (Marcus) 8:40

C

CAFFEINE
Affirmative chemical action (Szasz) 3:35–36
Public schools as drug delivery systems (Szasz) 1:36–37
CALIFORNIA power mess (Reed) 4:17–18
CALLAHAN, Gene. *See* book reviews (Horwitz)
CANADA
Socialized medicine is the problem (Block) 12:15–16
Unseen costs of disability laws (Selick) 6:17–18
CANGELLO, Vincent. *See* book reviews (Feldman)
CAPITAL letters (letters to the editor) 1:51–52, 3:51–52, 5:48–52, 6:53–54, 9:53–54, 10:53–54, 11:51–52
CAPITALISM
Anti-capitalist children of capitalism (Moseley) 3:14–16
What am I missing? (Hood) 4:19
See also Economics, markets
CAPITALISTS should love the estate tax? it just ain't so! (Skoble) 7:6–7
CARDIFF, Chris
The paradox of Carnegie libraries. 10:26–29
Toward an educational renaissance. 5:17–19
CARNEGIE, Andrew, ideas of
One capitalist's advice: attract attention! (Skousen) 11:4–5
Paradox of Carnegie libraries (Cardiff) 10:26–29
CHESS
War on drugs opens a new front (Leef) 4:46–48
CHINA
Appeasing China, backing Taiwan (Bandow) 1:28–29
Beijing's "cruel choice" (Lingle) 8:35–36
New China (Tritten) 9:19–20
CITIES: Paradox of the illiberal cities (Moseley) 11:8–11
CLASSICAL liberalism
Original liberalism (Peron) 2:25–27
CLEVELAND, Paul (co-author). *See* Hart.
See also book reviews (Skousen)
CLINE, Drew. *See* book reviews (Fitzpatrick)
COHEN, Andrew. *See* book reviews (Rosen)
COHEN, Bonner. *See* book reviews (Michaels and Balling)
COMIC books: Superheroes and the fight for liberty (Keating) 5:27–29
COMPENSATE workers harmed by trade? (Boudreaux) 11:53–54
COMPETITION
Letting competition reign (Bandow) 8:22–23
"Race to the bottom" (Loberfeld) 7:38–39
Tiger-nomics: glorious competition (Keating) 2:34–35
CONERLY, William
The importance of feedback. 12:17–19
CONFISCATING guns from America's past (Cramer) 1:23–27
CONGRESS and public safety unionism (Baird) 2:63–64
CONNERLY, Ward. *See* book reviews (McWhorter)
CONSUMERS, consumer sovereignty
Antitrust benefits consumers? it just ain't so! (DiLorenzo) 1:6–7
To be is to choose (Richman) 4:2–3
CONSUMPTION can drive economic growth? it just ain't so! (Lingle) 11:6–7
CORDATO, Roy
Energy taxes, externalities, and the pretense of knowledge. 10:13–15
Terrorism is good for the economy? it just ain't so! 12:6–7
COULSON, Andrew J.
Federal control of education needed? it just ain't so! 2:6–7
See also book reviews (Finn, Manno, and Vanourek)
COURAGE overlooked (Boudreaux) 2:4–5
COX, W. Michael and Alm, Richard
The luckiest generation. 3:8–11
CRAMER, Clayton E.
Confiscating guns from America's past. 1:23–27
CREATIVITY. *See* Innovation
CRIME
Racial profiling (Williams) 4:63–64
Racial profiling and the state (Richman) 6:37–38
Secret hate in "hate crimes" (Ponte) 2:12–13
CROSLEY, Powel—America's forgotten entrepreneur (Young) 10:48–51
CULTURE
Sunshine and the 21st century (Hisrich) 7:21–22
Superheroes and the fight for liberty (Keating) 5:27–29
CUTTING off subsidies restricts freedom? it just ain't so! (Richman) 5:6–7

D

DAVIES, Stephen
Lessons of history: the great Irish famine. 9:26–28
Spencer's law: another reason not to worry. 8:8–10
DEMOCRACY. *See* Voting
DEMONIZING drug makers (Bandow) 9:24–25
DENT, George W. *See* book reviews (Richards)
DEPKEN, Craig A. II. *See* book reviews (Bauer)
DEPOSIT insurance versus branch banking: the S&L debacle (Schweikart) 7:49–52
DICTATORSHIP of lawyers (Bovard) 4:30–33
DID deregulation kill California? (Taylor) 6:45–50
DiLORENZO, Thomas J.
Antitrust benefits consumers? it just ain't so! 1:6–7
Prosperity is hazardous to our health and wealth? 6:6–7
DISCRIMINATION
Racial profiling (Williams) 4:63–64
Racial profiling and the state (Richman) 6:37–38
DO regulators know what they're doing? (Payne) 8:11–12
DOES trade exploit the poorest of the poor? (R. Roberts) 9:63–64
DOHERTY, Brian. *See* book reviews (Frank)
DON'T bash SUVs (Reed) 10:16–17
DON'T be framed (Boudreaux) 5:4–5
DON'T expect much from politics (Reed) 12:13–14
DORN, James A.
Frédéric Bastiat: the primacy of property. 6:32–36
The rule of law and freedom in emerging democracies: a Madisonian perspective. 8:15–17
DOWNEY, Robert Jr., problem (Bandow) 3:25–26
DRASTIC measures: the metric assault on American standards (Seymour) 7:25–29
DRUGS
Affirmative chemical action (Szasz) 3:35–36
Robert Downey Jr. problem (Bandow) 3:25–26
Psychiatric collaborator as "critic" (Szasz) 9:29–30
War on drugs opens a new front (Leef) 4:46–48

E

EACH according to his need—as he sees it (Richman) 5:2–3
EBELING, Richard M.
Bastiat: champion of economic liberty. 6:27–31
Eugen von Böhm Bawerk: a sesquicentennial appreciation. 2:36–41
Knut Wicksell: a sesquicentennial appreciation. 12:37–42
ECONOMIC efficiency (Lee) 3:45–46
ECONOMIC freedom
Bastiat: champion of economic liberty (Ebeling) 6:27–31
Money *can* buy happiness (Oliver) 1:8–10
Whatever happened to the Egyptians? (Skousen) 8:52–53
ECONOMIC history
Böhm-Bawerk, Eugen von: a sesquicentennial appreciation (Ebeling) 2:36–41
It all started with Adam (Skousen) 5:53–54
Lessons of history: the great Irish famine (Davies) 9:26–28
Non-existent frontier bank robbery (Schweikart) 2:48–52
Spencer's law: another reason not to worry (Davies) 8:8–10
Knut Wicksell: a sesquicentennial appreciation (Ebeling) 12:37–42
ECONOMIC notions column. *See* Lee

LICENSED TO UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

ECONOMICS
America and "the world's" resources (Roberts) 12:53–54
Consumption can drive economic growth? it just ain't so! (Lingle) 11:6–7
Energy taxes, externalities, and the pretense of knowledge (Cordato) 10:13–15
I, Pepsi (R. Roberts) 6:63–64
"No bad thing at all" (Hood) 10:23
Positive nature of risk (Mayer) 8:37–39
Steps to economic freedom (Lingle) 7:40–41
Terrorism is good for the economy? (Cordato) 12:6–7
Ultimate externality (Boudreaux) 12:43–44
Why economies grow (Schavey) 11:47–50
See also Lee (*Economic notions* column); Skousen (*Economics on trial* column)
ECONOMICS on trial column. *See* Skousen
ECONOMY is cyclical? it just ain't so! (Garrison) 9:6–7
EDUCATION, creativity, and prosperity: east versus west (Lingle) 3:37–39
EDUCATION
Federal control of education needed? it just ain't so! (Coulson) 2:6–7
Freedom of education: a civil liberty (Loberfeld) 8:26–32
Gender madness on Columbia's campus (McElroy) 3:40–44
Graduation advice for the global economy (Gunderson) 1:33–35
High cost of government schooling (Reed) 2:15–16
Learning from the ancient Greeks (Melonakos) 1:30–32
Parent power (Richman) 8:33–34
Public schools as drug delivery systems (Szasz) 1:36–37
School choice via the universal tax credit (Reed) 9:14–15
Toward an educational renaissance (Cardiff) 5:17–19
Trouble with teacher training (Leef) 11:38–41
Where are the best schools in Austrian economics? (Skousen) 7:53–54
EFFICIENT amount of pollution (Lee) 5:43–44
EGALITARIANISM run amok (Mayer) 1:38–40
EGALITARIANISM
Ideals of tyranny (Peron) 3:47–50
Prosperity through inequality (Richman) 8:2–3
EGYPT: Whatever happened to the Egyptians? (Skousen) 8:52–53
EICHOLZ, Hans
Self-government and the distinctive character of American civil society. 7:8–12
ENERGY production versus conservation (Lee) 12:35–36
ENERGY taxes, externalities, and the pretense of knowledge (Cordato) 10:13–15
ENERGY
California power mess (Reed) 4:17–18
Did deregulation kill California? (Taylor) 6:45–50
Ethanolics anonymous (Reed) 11:16–17
Gasoline prices—why so high last spring? (Lieberman) 10:8–12
Energy, continued
Kyoto protocol's death is a tragedy? it just ain't so! (Taylor) 3:6–7
Price caps on electricity are a good idea? it just ain't so! (Tabarrok) 10:6–7
Rising oil prices create inflation? it just ain't so! (Lingle) 4:6–7
Stop the presses! (Richman) 10:2–3
Sustainable—and young—hydrocarbon energy age (Bradley) 11:20–23
Uncle Sam's false fuel economy (Bandow) 11:22–23
ENVIRONMENT, environmentalism
Are people pleased with the efficient amount of pollution? (Lee) 6:43–44
Efficient amount of pollution (Lee) 5:43–44
Federal immunity from toxic government (Benson) 10:31–33
Getting the most out of pollution (Lee) 10:41–42
High cost of command and control (Lee) 8:41–42
Making environmental tradeoffs (Bandow) 5:25–26
Perverse popularity of command and control (Lee) 9:40–41
Polluting production (Richman) 3:2–3
Problem of environmental protection (Lee) 4:44–45
Reducing the cost of reducing pollution (Lee) 7:42–43
Regulating biodiversity: tragedy in the political commons (Laband) 9:21–23
True ecology (Hager) 5:10–11
Unprecedented global warming? (Heberling) 5:12–14
ENVIRONMENTALISM as though people and facts really mattered (Lingle) 5:8–9
ETHANOLICS anonymous (Reed) 11:16–17
EUROPE
Phony marketeers (Barry) 9:31–34

F

FAIR is fair (Morriss) 10:39–40
FAITH-based charities
Bought mind (Szasz) 7:33–34
Public money for private charity (Reed) 8:13–14
FAMILIES, family issues
Capitalists should love the estate tax? it just ain't so! (Skoble) 7:6–7
Parent power (Richman) 8:33–34
Politicizing the housewife (McElroy) 11:26–30
Relying on relatives (R. Roberts) 3:63–64
Working-family gibberish (Mixon and Stephenson) 1:21–22
"FAMILY" crisis at the United Nations (McElroy) 10:43–47
FARIA, Miguel A., Jr.
National gun registration: the road to tyranny. 3:32–34
The tainted public-health model of gun control. 4:38–43
FARM credit fraud (Bovard) 1:17–20
FEDERAL control of education needed? it just ain't so! (Coulson) 2:6–7
FEDERAL immunity from toxic government (Benson) 10:31–33
FEDERALLY mandated toilet still doesn't work (Heberling) 11:18–19
FEE's new goal: from candlestick to lighthouse (Skousen) 10:4–5
FLEW, Antony. *See* book reviews (Wheen)
FOLSOM, Burton, Jr. *See* book reviews (Geisst; Culver and Hyde)
FORD, Henry: How Henry Ford zapped a licensing monopoly (Barger) 12:8–12
FOREIGN policy, foreign aid
Appeasing China, backing Taiwan? (Bandow) 1:28–29
Balkan stupidities (Bandow) 7:23–24
Bombing without end (Bandow) 6:25–26
Let our allies defend themselves (Bandow) 12:20–21
Maturing Europe? (Bandow) 10:24–25
Sorry record of foreign aid in Africa (Peron) 8:43–47
FRANCO, Alexander. *See* book reviews (Martin)
FREEDOM of education: a civil liberty (Loberfeld) 8: 26–32
FREE markets. *See* markets
FREE speech
Secret hate in "hate crimes" (Ponte) 2:12–13
FROM the president's desk column. *See* Skousen
FULDA, Joseph S. *See* book reviews (Shulman)
FULMER, Richard W. *See* book reviews (Bradley)

G

GALLES, Gary M.
No Yahoo! for new shareholder plan. 12:33–34
Put Robinson-Patman, not bookstore chains, on trial. 9:8–9
GARRISON, Roger W.
The economy is cyclical? it just ain't so! 9:6–7
See also book reviews (Rothbard)
GASOLINE prices—why so high last spring? (Lieberman) 10:8–12
GDP: Beyond GDP: a breakthrough in national income accounting (Skousen) 4:53–54
GENDER madness on Columbia's campus (McElroy) 3:40–44
GENOMES and lemons (Rupert and Stephenson) 9:16–18
GET rid of the labels (Reed) 1:15–16
GETTING the most out of pollution (Lee) 10:41–42
GLOBALIZATION: Graduation advice for the global economy (Gunderson) 1:33–35
GOVERNMENT: head or hand? (Kyriazi) 8:24–25
GOVERNMENT, *government spending*
Another Alcoa executive at Treasury (Reed) 6:15–16
Bad old days (Richman) 9:2–3
Blessed debt (Richman) 4:34–35
Budgetary immortality (Bandow) 2:23–24
Cutting off subsidies restricts freedom? it just ain't so! (Richman) 5:6–7
Fair is fair (Morriss) 10:39–40
How war amplified federal power in the twentieth century (Higgs) 12:29–32
It's not over till it's over (Richman) 6:2–3

LICENSED TO UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Government, continued
Psychiatric collaborator as "critic" (Szasz) 9:29–30
Public money for private charity (Reed) 8:13–14
See also politics; regulation; taxation; voting; U.S. constitution
GRADUATION advice for the global economy (Gunderson) 1:33–35
GREAT airship race (Laffitte) 2:20–22
GREAT Britain finally makes it to the eighteenth century (Barry) 2:28–31
GREAVES, Bettina Bien. See book reviews (Ebeling)
GREWELL, J. Bishop and Brown, Matthew
Jurassic mart: digging with the invisible hand. 1:11–14
GUN control
Confiscating guns from America's past (Cramer) 1:23–27
National gun registration: the road to tyranny (Faria) 3:32–34
Rights without exceptions (Snyder) 5:20–24
Tainted public-health model of gun control (Faria) 4:38–43
GUNDERSON, Gerald
Graduation advice for the global economy. 1:33–35

H

HAGER, Daniel
True ecology. 5:10–11
HAPPY birthday, Carl Menger (Richman) 2:2–3
HARMONY from liberty (Barry) 6:19–24
HART, H. Nathan and Cleveland, Paul
The smart-growth scam. 7:15–20
HAYEK, F.A., ideas of,
I like Hayek (Skousen) 9:51–52
Myth shattered: Mises, Hayek, and the industrial revolution (Woods) 11:42–44
HEALTH care. *See* medicine
HEBERLING, Michael
The federally mandated toilet still doesn't work. 11:18–19
Unprecedented global warming? 5:12–14
HIGGS, Robert
How war amplified federal power in the twentieth century 12:29–32
HIGH cost of command and control (Lee) 8:41–42
HIGH cost of government schooling (Reed) 2:15–16
HILL, James J.: transforming the American northwest (Oliver) 7:44–48
HISRICH, Matthew.
Sunshine and the 21st century. 7:21–22
HISTORY
Great Britain finally makes it to the eighteenth century (Barry) 2:28–31
Reading history (Boudreaux) 8:4–5
HOLLAND, Robert. *See* book reviews (Ravitch)
HOMESCHOOLING
Toward an educational renaissance (Cardiff) 5:17–19
HONESTY at last (Richman) 7:2–3
HOOD, John. *See* book reviews (Powell)
HOOD, Ralph
"No bad thing at all." 10:23
What am I missing? 4:19
HOW Henry Ford zapped a licensing monopoly (Barger) 12:8–12
HOW the computer emancipated the American corporation (Schweikart) 3:27–31
HOW war amplified federal power in the twentieth century (Higgs) 12:29–32
HUMAN creativity (Boudreaux) 3:4–5

I

I like Hayek (Skousen) 9:51–52
I, Pepsi (R. Roberts) 6:63–64
IDEALS of tyranny (Peron) 3:47–50
IDEAS, ideology
"A" word (Boudreaux) 7:4–5
Are there two libertarianisms? (Peron) 6:39–42
Aristocracy of pull? (Wilson) 8:18–21
FEE's new goal: from candlestick to lighthouse (Skousen) 10:4–5
Individual and society: irreconcilable enemies? (Machan) 10:36–38
Original liberalism (Peron) 2:25–27
Reading history (Boudreaux) 8:4–5
Simplistic answers (Boudreaux) 10:54–55
IDEAS and consequences column. *See* Reed
IGNORING real privacy problems (Plummer) 2:44–47
ILLUSION of control (Mayer) 9:42–44
IMMIGRATION
Why do immigrants own inner-city stores? (Marcus) 8:40
IMPERFECT knowledge (Richman) 12:2–3
IMPERIAL science (Skousen) 1:53–54
IMPORTANCE of feedback (Conerly) 12:17–19
INDIVIDUAL and society: irreconcilable enemies? (Machan) 10:36–38
INDIVIDUAL freedom
Harmony from liberty (Barry) 6:19–24
How war amplified federal power in the twentieth century (Higgs) 12:29–32
Lifestyle nazi update (Williams) 7:63–64
Of lights and liberty (Stephenson) 3:24
Oh, what a piece of work is a man (T. Roberts) 3:12–13
Plain vanilla liberty (Selick) 5:41–42
Property is freedom (Richman) 10:34–35
Reflections on self-responsibility and libertarianism (Branden) 4:20–25
Rights in ideas infringe rights in tangible property (Mercer) 7:30–32
What should one do? (Williams) 1:63–64
INDUSTRIAL revolution
Myth shattered: Mises, Hayek, and the industrial revolution (Woods) 11:42–44
INNOVATION, technology
Black innovators and entrepreneurs under capitalism (Bernstein) 10:18–22
Powel Crosley—America's forgotten entrepreneur (Young) 10:48–51
Education, creativity, and prosperity: east versus west (Lingle) 3:37–39
How the computer emancipated the American corporation (Schweikart) 3:27–31
Human creativity (Boudreaux) 3:4–5
Inventive period (Bernstein) 4:10–16
Wire and rails: comparing the web and railroads (Schweikart) 12:22–26
INTERNET
Ignoring real privacy problems (Plummer) 2:44–47
No Yahoo! for new shareholder plan (Galles) 12:33–34
Regulation by reputation on the net (Steelman) 4:28–29
Wire and rails: comparing the web and railroads (Schweikart) 12:22–26
INVENTIVE period (Bernstein) 4:10–16
IRELAND
Lessons of history: the great Irish famine (Davies) 9:26–28
IT all started with Adam (Skousen) 5:53–54
IT depends on what the meaning of "advice" is (Baird) 5:63–64
IT just ain't so!
Antitrust benefits consumers? it just ain't so! (DiLorenzo) 1:6–7
Capitalists should love the estate tax? it just ain't so! (Skoble) 7:6–7
Consumption can drive economic growth? it just ain't so! (Lingle) 11:6–7
Cutting off subsidies restricts freedom? it just ain't so! (Richman) 5:6–7
Economy is cyclical? it just ain't so! (Garrison) 9:6–7
Federal control of education needed? it just ain't so! (Coulson) 2:6–7
Kyoto protocol's death is a tragedy? it just ain't so! (Taylor) 3:6–7
Price caps on electricity are a good idea? it just ain't so! (Tabarrok) 10:6–7
Prosperity is hazardous to our health and wealth? it just ain't so! (DiLorenzo) 6:6–7
Rising oil prices create inflation? it just ain't so! (Lingle) 4:6–7
Tax cuts cause trade deficits and currency depreciation? it just ain't so! (Salerno) 8:6–7
Terrorism is good for the economy? it just ain't so! (Cordato) 12:6–7
IT'S not over till it's over (Richman) 6:2–3

J-K

JURASSIC mart: digging with the invisible hand (Grewell and Brown) 1:11–14
KEATING, Raymond J.
Superheroes and the fight for liberty. 5:27–29
Tiger-nomics: glorious competition. 2:34–35
KEEP the electoral college (Reed) 3:17–18
KEVORKIAN, lies, and suicide (Szasz) 5:35–36
KEYNES: Pulling down the Keynesian cross (Skousen) 6:51–52
KLEIN, Daniel B. *See* book reviews (Miller)
KYOTO protocol's death is a tragedy? it just ain't so! (Taylor) 3:6–7
KYRIAZI, Nicholas
Government: head or hand? 8:24–25

L

LABAND, David N.
Regulating biodiversity: tragedy in the political commons. 9:21–23

LICENSED TO UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

LABOR, labor unions, workers
Bastiat and unionism (Baird) 11:63–64
Compensate workers harmed by trade? (Boudreaux) 11:53–54
Congress and public safety unionism (Baird) 2:63–64
It depends on what the meaning of "advice" is (Baird) 5:63–64
Reply to a labor priest (Baird) 9:48–50
Unions draft temporary workers (Baird) 8:63–64
Workers' rights suffering as China goes capitalist (Richman) 12:2–3
LAFFITTE, Frank
The great airship race. 2:20–22
LAW
Dictatorship of lawyers (Bovard) 4:30–33
Rule of law and freedom in emerging democracies: a Madisonian perspective (Dorn) 8:15–17
LEARNING from the ancient Greeks (Melonakos) 1:30–32
LEE, Dwight R.
Are people pleased with the efficient amount of pollution? 6:43–44
Economic efficiency. 3:45–46
The efficient amount of pollution. 5:43–44
Energy production versus conservation. 12:35–36
Getting the most out of pollution. 10:41–42
The high cost of command and control. 8:41–42
Markets and marginalism. 2:42–43
Maximum cooperation means minimum cost. 11:45–46
More on marginalism. 1:45–46
The perverse popularity of command and control. 9:40–41
The problem of environmental protection. 4:44–45
Reducing the cost of reducing pollution. 7:42–43
LEEF, George C.
The trouble with teacher training. 11:38–41
The war on drugs opens a new front. 4:46–48
See also book reviews (Sommers; Padfield; Mitchell; Pilon; Esman; Roberts and Stratton; Rothbard; Neusner and Neusner; Bovard; Bamberger; Hudgins; Lipset and Marks)
LEMIEUX, Pierre
Sovereign traders. 9:35–39
See also book reviews (Soros)
LESSON plans ● articles suitable for classroom or homeshooling use. For plans, see www.fee.org, or contact FEE.
Are people pleased with the efficient amount of pollution? (Lee) 6:43–44
Bastiat: the primacy of property (Dorn) 6:32–36
Black innovators and entrepreneurs under capitalism (Bernstein) 10:18–22
California power mess (Reed) 4:17–18
Confiscating guns from America's past (Cramer) 1:23–27
Courage overlooked (Boudreaux) 2:4–5
Does trade exploit the poorest of the poor? (R. Roberts) 9:63–64
Lesson plans, continued
Economic efficiency (Lee) 3:45–46
Efficient amount of pollution (Lee) 5:43–44
Energy production versus conservation (Lee) 12:35–36
Farm credit fraud (Bovard) 1:17–20
Gasoline prices—why so high last spring? (Lieberman) 10:8–12
Getting the most out of pollution (Lee) 10:41–42
Great airship race (Laffitte) 2:20–22
High cost of command and control (Lee) 8:41–42
Ideals of tyranny (Peron) 3:47–50
Importance of feedback (Conerly) 12:17–19
Lessons of history: the great Irish famine (Davies) 9:26–28
Luckiest generation (Cox and Alm) 3:8–11
Making environmental tradeoffs (Bandow) 5:25–26
Markets and marginalism (Lee) 2:42–43
Maximum cooperation means minimum cost (Lee) 11:45–46
More on marginalism (Lee) 1:45–46
Myth shattered: Mises, Hayek, and the industrial revolution (Woods) 11:42–44
Problem of environmental protection (Lee) 4:44–45
Property is freedom (Richman) 10:34–35
Reducing the cost of reducing pollution (Lee) 7:42–43
Regulation by reputation on the net (Steelman) 4:28–29
Rights in ideas infringe rights in tangible property (Mercer) 7:30–32
Rule of law and freedom in emerging democracies: a Madisonian perspective (Dorn) 8:15–17
Self-government and the distinctive character of American civil society (Eicholz) 7:8–12
Spencer's law: another reason not to worry (Davies) 8:8–10
Ten years after the bet: the more things change . . . (Mallinger) 11:34–37
Terrorism is good for the economy? (Cordato) 12:6–7
Unprecedented global warming? (Heberling) 5:12–14
What is seen and what is not seen (Bastiat) 6:12–14
LESSONS of history: the great Irish famine (Davies) 9:26–28
LETTING competition reign (Bandow) 8:22–23
LEVATTER, Ross
Will you name the car crash after us? 10:30
See also book reviews (Szasz)
LIBERTY, property, and crime (Peron) 11:11–15
LIEBERMAN, Ben
Gasoline prices—why so high? 10:8–12
LIFESTYLE nazi update (Williams) 7:63–64
LINGLE, Christopher
Beijing's "cruel choice." 8:35–36
Consumption can drive economic growth? it just ain't so! 11:6–7
Education, creativity, and prosperity: east versus west. 3:37–39
Environmentalism as though people and facts really mattered. 5:8–9
Lingle, continued
Rising oil prices create inflation? it just ain't so. 4:6–7
The steps to economic freedom. 7:40–41
LITTMANN, David L. *See* book reviews (Shiller; Jay)
LOBERFELD, Barry
"A race to the bottom." 7:38–39
Freedom of education: a civil liberty. 8:26–32
LOTCHIN, Roger W. *See* book reviews (Beito)
LUCKIEST generation (Cox and Alm) 3:8–11

M

MACAULAY, Hugh
Why Social Security is popular. 9:10–13
MACHAN, Tibor R.
Individual and society: irreconcilable enemies? 10:36–38
The perils of positive rights. 4:49–52
MADISON, James, ideas of,
The rule of law and freedom in emerging democracies: a Madisonian perspective (Dorn) 8:15–17
MAKING environmental tradeoffs (Bandow) 5:25–26
MALLINGER, Michael D.
Ten years after the bet: the more things change . . . 11:34–37
See also book reviews (Self)
MARCUS, Richard D.
Why do immigrants own inner-city stores? 8:40
MARKETS and marginalism (Lee) 2:42–43
MARKETS
Jurassic mart: digging with the invisible hand (Grewell and Brown) 1:11–14
Peaceable conflict resolution (Williams) 10:63–64
Phony marketers (Barry) 9:31–34
Will of the market? (Boudreaux) 4:4–5
Wonders in perspective (Boudreaux) 6:4–5
MARX, Karl, ideas of
May day: classlessness and Mr. Marx (Peterson) 5:45–47
MATHESON, Victor A. *See* book reviews (Porter, Takeuchi, and Sakakibara)
MATURING Europe? (Bandow) 10:24–25
MAXIMUM cooperation means minimum cost (Lee) 11:45–46
MAY day: classlessness and Mr. Marx (Peterson) 5:45–47
MAYER, Christopher
Egalitarianism run amok. 1:38–40
Illusion of control. 9:42–44
The positive nature of risk. 8:37–39
McELROY, Wendy
A "family" crisis at the United Nations. 10:43–47
Gender madness on Columbia's campus. 3:40–44
Politicizing the housewife. 11:26–30
The post office as a violation of constitutional rights. 5:30–34
MEDICINE, medical insurance
Blame Congress for HMOs (Brase) 2:8–11
Demonizing drug makers (Bandow) 9:24–25
Genomes and lemons (Rupert and Stephenson) 9:16–18
Kevorkian, lies, and suicide (Szasz) 5:35–36

LICENSED TO UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

Medicine, continued
Mental illness: psychiatry's phlogiston (Szasz) 11:31–32
Relying on relatives (R. Roberts) 3:63–64
Socialized medicine is the problem (Block) 12:15–16
Tainted public-health model of gun control (Faria) 4:38–43
Will you name the car crash after us? (Levatter) 10:30
MEINERS, Roger. *See* book reviews (Sowell)
MELONAKOS, Kathleen
Learning from the ancient Greeks. 1:30–32
MENGER, Carl, ideas of
Happy birthday, Carl Menger (Richman) 2:2–3
MENTAL illness: psychiatry's phlogiston (Szasz) 11:31–32
MERCER, Ilana
Rights in ideas infringe rights in tangible property. 7:30–32
MERRY, E. Wayne. *See* book reviews (Carpenter)
MICHAELS, Patrick J. *See* book reviews (Bell and Strieber)
MISES, Ludwig von, ideas of
Myth shattered: Mises, Hayek, and the industrial revolution (Woods) 11:42–44
MIXON, Wilson and Stephenson, E. Frank.
Working-family gibberish. 1:21–22
MONEY *can* buy happiness (Oliver) 1:8–10
MONEY
Deposit insurance versus branch banking: the S&L debacle (Schweikart) 7:49–52
Illusion of control (Mayer) 9:42–44
Non-existent frontier bank robbery (Schweikart) 2:48–52
Tax cuts cause trade deficits and currency depreciation? it just ain't so! (Salerno) 8:6–7
MONOPLY
How Henry Ford zapped a licensing monopoly (Barger) 12:8–12
Put Robinson-Patman, not bookstore chains, on trial (Galles) 9:8–9
MOO, G. Gregory. *See* book reviews (Henig, Hula, Orr, and Pedescleaux)
MORE on marginalism (Lee) 1:45–46
MORGRET, Charles O.
Bill Brosnan: railroad free-marketeer. 1:41–44
MORRISS, Andrew P.
Adventures in zoning. 7:35–37
Fair is fair. 10:39–40
See also book reviews (Lang)
MORSE, Jennifer Roback. *See* book reviews (Hymowitz)
MOSELEY, Alexander
The anti-capitalist children of capitalism. 3:14–16
The paradox of the illiberal cities. 11:8–10
MURRAY, Philip. *See* book reviews (Rauch; Gillon)
MYTH shattered: Mises, Hayek, and the industrial revolution (Woods) 11:42–44

N

NATIONAL gun registration: the road to tyranny (Faria) 3:32–34
NEVER-ENDING welfare debate (Barry) 3:19–23
NEW China (Tritten) 9:19–20
"NO bad thing at all" (Hood) 10:23
NO silver lining (Richman) 11:2–3
NO Yahoo! for new shareholder plan (Galles) 12:33–34
NOBEL prize
Imperfect knowledge (Richman) 12:2–3
NON-existent frontier bank robbery (Schweikart) 2:48–52

O

OF lights and liberty (Stephenson) 3:24
OH, what a piece of work is a man (T. Roberts) 3:12–13
OLIVER, Daniel T.
James J. Hill: transforming the American northwest. 7:44–48
Money *can* buy happiness. 1:8–10
ONE capitalist's advice: attract attention! (Skousen) 11:4–5
OPEN letter to senators Clinton and Schumer (Boudreaux) 9:4–5
ORIGINAL liberalism (Peron) 2:25–27
OTHER political story (Bandow) 4:26–27
OTTESON, James. *See* book reviews (Sciabarra)
OVERREACTING to terrorism (Payne) 4:36–37

P

PALASEK, Karen Y. *See* book reviews (Machan)
PARADOX of Carnegie libraries (Cardiff) 10:26–29
PARADOX of the illiberal cities (Moseley) 11:8–10
PARENT power (Richman) 8:33–34
PARKS, Lawrence. *See* book reviews (Bernstein)
PAYNE, James L.
Do regulators know what they're doing? 8:11–12
Overreacting to terrorism. 4:36–37
PEACE on earth, good will to men . . . through capitalism. 12:4–5
PEACEABLE conflict resolution (Williams) 10:63–64
PERILS of positive rights (Machan) 4:49–52
PERIPATETICS column. *See* Richman
PERON, Jim
Are there two libertarianisms? 6:39–42
The ideals of tyranny. 3:47–50
Liberty, property, and crime. 11:11–15
Original liberalism. 2:25–27
The pledge versus the oath. 5:37–40
The sorry record of foreign aid in Africa. 8:43–47
South Africa's polarized politics. 1:47–51
PERSPECTIVE. *See* Richman
PERVERSE popularity of command and control (Lee) 9:40–41
PETERSON, William H.
May day: classlessness and Mr. Marx. 5:45–47
See book reviews (Keating and Edmonds; Elder)
PHONY marketers (Barry) 9:31–34
PLAIN vanilla liberty (Selick) 5:41–42
PLEDGE versus the oath (Peron) 5:37–40
PLUMMER, James
Ignoring real privacy problems. 2:44–47
POLITICIZING the housewife (McElroy) 11:26–30
POLITICS
Blame congress for HMOs (Brase) 2:8–11
Congress and public safety unionism (Baird) 2:63–64
Don't expect much from politics (Reed) 12:13–14
Get rid of the labels (Reed) 1:15–16
Never-ending welfare debate (Barry) 3:19–23
South Africa's polarized politics (Peron) 1:47–51
Why all the con artistry? (Boudreaux) 1:4–5
Why term limits? (Reed) 5:15–16
POLLUTING production (Richman) 3:2–3
PONTE, Lowell
The secret hate in "hate crimes." 2:12–14
POSITIVE nature of risk (Mayer) 8:37–39
POST office as a violation of constitutional rights (McElroy) 5:30–34
POSTAL SERVICE, mail delivery
Letting competition reign (Bandow) 8:22–23
Post office as a violation of constitutional rights (McElroy) 5:30–34
You've got mail—and now we have it too (Young) 8:48–51
POTOMAC principles column. *See* Bandow
PRESCRIPTION for disaster (Richman) 1:2–3
PRICE caps on electricity are a good idea? it just ain't so! (Tabarrok) 10:6–7
PRICES, PRICING
Gasoline prices—why so high last spring? (Lieberman) 10:8–12
Open letter to senators Clinton and Schumer (Boudreaux) 9:4–5
PRIVACY
Ignoring real privacy problems (Plummer) 2:44–47
You've got mail—and now we have it too (Young) 8:48–51
PRIVATIZATION
Jurassic mart: digging with the invisible hand (Grewell and Brown) 1:11–14
Social Security reform: lessons from the private sector (Skousen) 3:53–54
PROBLEM of environmental protection (Lee) 4:44–45
PROHIBITION hasn't ended yet (Reed) 7:13–14
PROPERTY is freedom (Richman) 10:34–35
PROPERTY, property rights
Adventures in zoning (Morriss) 7:35–37
Bastiat: the primacy of property (Dorn) 6:32–36
Liberty, property, and crime (Peron) 11:11–15
Smart-growth scam (Hart and Cleveland) 7:15–20
Stopping government sprawl (Terrell) 2:17–19
PROSPERITY is hazardous to our health and wealth? it just ain't so! (DiLorenzo) 6:6–7
PROSPERITY through inequality (Richman) 8:2–3

LICENSED TO UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

PSYCHIATRIC collaborator as "critic" (Szasz) 9:29–30
PUBLIC money for private charity (Reed) 8:13–14
PUBLIC schools as drug delivery systems (Szasz) 1:36–37
PULLING down the Keynesian cross (Skousen) 6:51–52
PURSUIT of happiness column. *See* Baird; R. Roberts; Williams
PUT Robinson-Patman, not bookstore chains, on trial (Galles) 9:8–9

R

"RACE to the bottom" (Loberfeld) 7:38–39
RACIAL profiling (Williams) 4:63–64
RACIAL profiling and the state (Richman) 6:37–38
RAILROADS
Brosnan, Bill: railroad free-marketeer (Morgret) 1:41–44
Hill, James J.: transforming the American northwest (Oliver) 7:44–48
Wire and rails: comparing the Web and railroads (Schweikart) 12:22–26
READ, Leonard, ideas of
FEE's new goal: from candlestick to lighthouse (Skousen) 10:4–5
Human creativity (Boudreaux) 3:4–5
I, Pepsi (R. Roberts) 6:63–64
READING history (Boudreaux) 8:4–5
REDUCING the cost of reducing pollution (Lee) 7:42–43
REED, Lawrence W.
Ideas and consequences column
Another Alcoa executive at Treasury. 6:15–16
The California power mess. 4:17–18
Don't bash SUVs. 10:16–17
Don't expect much from politics. 12:13–14
Ethanolics anonymous. 11:16–17
Get rid of the labels. 1:15–16
The high cost of government schooling. 2:15–16
Keep the electoral college. 3:17–18
Prohibition hasn't ended yet. 7:13–14
Public money for private charity. 8:13–14
School choice via the universal tax credit. 9:14–15
Why term limits? 5:15–16
See also book reviews (Brodsky)
REFLECTIONS on self-responsibility and libertarianism (Branden) 4:20–25
REGULATING biodiversity: tragedy in the political commons (Laband) 9:21–23
REGULATION by reputation on the net (Steelman) 4:28–29
REGULATION
Did deregulation kill California? (Taylor) 6:45–50
Do regulators know what they're doing? (Payne) 8:11–12
Don't bash SUVs (Reed) 10:16–17
Drastic measures: the metric assault on American standards (Seymour) 7:25–29
Egalitarianism run amok (Mayer) 1:38–40
Federally mandated toilet still doesn't work (Heberling) 11:18–19
Prohibition hasn't ended yet (Reed) 7:13–14
Regulation, continued
Prosperity is hazardous to our health and wealth? it just ain't so! (DiLorenzo) 6:6–7
Put Robinson-Patman, not bookstore chains, on trial (Galles) 9:8–9
Unseen costs of disability laws (Selick) 6:17–18
RELYING on relatives (R. Roberts) 3:63–64
REPLY to a labor priest (Baird) 9:48–50
RICHMAN, Sheldon
Bastiat's life. 6:8–11
Cutting off subsidies restricts freedom? it just ain't so! 5:6–7
Peripatetics column
Blessed debt. 4:34–35
Parent power. 8:33–34
Property is freedom. 10:34–35
Racial profiling and the state. 6:37–38
Rules versus rulers. 2:32–33
Tethered citizens. 12:27–28
Perspective
The bad old days. 9:2–3
Happy birthday, Carl Menger. 2:2–3
Honesty at last. 7:2–3
Imperfect knowledge 12:2–3
It's not over till it's over. 6:2–3
No silver lining. 11:2–3
Polluting production. 3:2–3
Prescription for disaster. 1:2–3
Prosperity through inequality. 8:2–3
Stop the presses! 10:2–3
To be is to choose. 4:2–3
To each according to his need—as he sees it. 5:2–3
RIGHTS in ideas infringe rights in tangible property (Mercer) 7:30–32
RIGHTS without exceptions (Snyder) 5:20–24
RIGHTS theory
Perils of positive rights (Machan) 4:49–52
RISING oil prices create inflation? it just ain't so! (Lingle) 4:6–7
ROBERTS, Russell
Pursuit of happiness column
America and "the world's" resources. 12:53–54
Does trade exploit the poorest of the poor? 9:63–64
I, Pepsi. 6:63–64
Relying on relatives. 3:63–64
ROBERTS, Ted
Beware the ides of April (plus two). 4:8–9
Oh, what a piece of work is a man. 3:12–13
RULE of law and freedom in emerging democracies: a Madisonian perspective (Dorn) 8:15–17
RULES versus rulers (Richman) 2:32–33
RUPERT, Michael E. and Stephenson, E. Frank
Of genomes and lemons. 9:16–18

S

SALERNO, Joseph
Tax cuts cause trade deficits and currency depreciation? it just ain't so! 8:6–7
SAUTET, Frédéric. *See* book reviews (Kirzner)
SCHAVEY, Aaron
Why economies grow. 11:47–50
SCHOOL choice via the universal tax credit (Reed) 9:14–15
SCHWEIKART, Larry
Deposit insurance versus branch banking: the S&L debacle. 7:49–52
How the computer emancipated the American corporation. 3:27–31
The non-existent frontier bank robbery. 2:48–52
Wire and rails: comparing the web and railroads. 12:22–26
SECOND amendment. *See* gun control
SECRET hate in "hate crimes" (Ponte) 2:12–13
SELF-GOVERNMENT and the distinctive character of American civil society (Eicholz) 7:8–12
SELF-RESPONSIBILITY. *See* individual liberty
SELICK, Karen
Plain vanilla liberty. 5:41–42
The unseen costs of disability laws. 6:17–18
SEYMOUR, Peter
Drastic measures: the metric assault on American standards. 7:25–29
SHAW, Jane S. *See* book reviews (Duany, Plater-Zyberk, and Speck)
SIMON, Julian, ideas of
Ten years after the bet: the more things change . . . (Mallinger) 11:34–37
SIMPLISTIC answers (Boudreaux) 10:54–55
SKOBLE, Aeon J.
Capitalists should love the estate tax? it just ain't so! 7:6–7
See also book reviews (Smith)
SKOUSEN, Mark
Economics on trial column
Beyond GDP: a breakthrough in national income accounting. 4:53–54
I like Hayek. 9:51–52
The imperial science. 1:53–54
It all started with Adam. 5:53–54
Pulling down the Keynesian cross. 6:51–52
Social Security reform: lessons from the private sector. 3:53–54
Whatever happened to the Egyptians? 8:52–53
Where are the best schools in Austrian economics? 7:53–54
Your one-stop source for sound economics. 2:53–54
From the president's desk column
FEE's new goal: from candlestick to lighthouse. 10:4–5
One capitalist's advice: attract attention! 11:4–5
Peace on earth, good will to men . . . through capitalism. 12:4–5
SMART-growth scam (Hart and Cleveland) 7:15–20
SMITH, Adam, ideas of
It all started with Adam (Skousen) 5:53–54
SNYDER, Jeff
Rights without exceptions. 5:20–24
SOCIAL Security reform: lessons from the private sector (Skousen) 3:53–54
SOCIAL Security
Relying on relatives (R. Roberts) 3:63–64
Why Social Security is popular (Macaulay) 9:10–13
SOCIALIZED medicine is the problem (Block) 12:15–16
SORRY record of foreign aid in Africa (Peron) 8:43–47

LICENSED TO UNZ.ORG
ELECTRONIC REPRODUCTION PROHIBITED

SOUTH Africa's polarized politics (Peron) 1:47–51
SOVEREIGN traders (Lemieux) 9:35–39
SPENCER'S law: another reason not to worry (Davies) 8:8–10
STAMPUL, Charles. *See* book reviews (Edell)
STEELMAN, Aaron
Regulation by reputation on the net. 4:28–29
STEPHENSON, E. Frank.
Of lights and liberty. 3:24
Co-author. *See* Mixon; Rupert
See also book reviews (Mosley)
STEPS to economic freedom (Lingle) 7:40–41
STOP the presses! (Richman) 10:2–3
STOPPING government sprawl (Terrell) 2:17–19
STROMBERG, Joseph R. *See* book reviews (Adams; Wills)
SUNSHINE and the 21st century (Hisrich) 7:21–22
SUPERHEROES and the fight for liberty (Keating) 5:27–29
SUSTAINABLE—and young—hydrocarbon energy age (Bradley) 11:20–23
SZASZ, Thomas
The therapeutic state column
Affirmative chemical action. 3:35–36
The bought mind. 7:33–34
Kevorkian, lies, and suicide. 5:35–36
Mental illness: psychiatry's phlogiston. 11:31–32
The psychiatric collaborator as "critic." 9:29–30
Public schools as drug delivery systems. 1:36–37

T

TABARROK, Alexander
Price caps on electricity are a good idea? it just ain't so! 10:6–7
TAINTED public-health model of gun control (Faria) 4:38–43
TAX cuts cause trade deficits and currency depreciation? it just ain't so! (Salerno) 8:6–7
TAXATION, taxes
Beware the ides of April (plus two) (T. Roberts) 4:8–9
Capitalists should love the estate tax? it just ain't so! (Skoble) 7:6–7
Each according to his need—as he sees it (Richman) 5:2–3
Energy taxes, externalities, and the pretense of knowledge (Cordato) 10:13–15
School choice via the universal tax credit (Reed) 9:14–15
Winners and losers in the transfer game (Westley) 9:45–47
TAYLOR, Jerry
Did deregulation kill California? 6:45–50
Kyoto protocol's death is a tragedy? it just ain't so! 3:6–7
TEN years after the bet: the more things change . . . (Mallinger) 11:34–37
TERRELL, Timothy D.
Stopping government sprawl. 2:17–19
TERRORISM is good for the economy? (Cordato) 12:6–7
TERRORISM
No silver lining (Richman) 11:2–3
Overreacting to terrorism (Payne) 4:36–37
TETHERED citizens (Richman) 12:27–28
THERAPEUTIC state column. *See* Szasz
THOUGHTS on freedom column. *See* Boudreaux
TIGER-nomics: glorious competition (Keating) 2:34–35
TO be is to choose (Richman) 4:2–3
TOWARD an educational renaissance (Cardiff) 5:17–19
TRADE
Compensate workers harmed by trade? (Boudreaux) 11:53–54
Does trade exploit the poorest of the poor? (R. Roberts) 9:63–64
Don't be framed (Boudreaux) 5:4–5
Sovereign traders (Lemieux) 9:35–39
Tax cuts cause trade deficits and currency depreciation? it just ain't so! (Salerno) 8:6–7
TRITTEN, Larry
The new China. 9:19–20
TROUBLE with teacher training (Leef) 11:38–41
TRUE ecology (Hager) 5:10–11

U-V

U.S. CONSTITUTION
Pledge versus the oath (Peron) 5:37–40
Post office as a violation of constitutional rights (McElroy) 5:30–34
ULTIMATE externality (Boudreaux) 12:43–44
UNCLE Sam's false fuel economy (Bandow) 11:22–23
UNIONS draft temporary workers (Baird) 8:63–64
UNITED Nations
"Family" crisis at the United Nations (McElroy) 10:43–47
UNPRECEDENTED global warming? (Heberling) 5:12–14
UNSEEN costs of disability laws (Selick) 6:17–18
VOTING
Keep the electoral college (Reed) 3:17–18
Other political story (Bandow) 4:26–27

W

WAR on drugs opens a new front (Leef) 4:46–48
WEALTH, income distribution
Luckiest generation (Cox and Alm) 3:8–11
Working-family gibberish (Mixon and Stephenson) 1:21–22
WELFARE, welfarism
Never-ending welfare debate (Barry) 3:19–23
Tethered citizens (Richman) 12:27–28
WESTLEY, Christopher
Winners and losers in the transfer game. 9:45–47
WHAT am I missing? (Hood) 4:19
WHAT is seen and what is not seen (Bastiat) 6:12–14
WHAT should one do? (Williams) 1:63–64
WHATEVER happened to the Egyptians? (Skousen) 8:52–53
WHERE are the best schools in Austrian economics? (Skousen) 7:53–54
WHY all the con artistry? (Boudreaux) 1:4–5
WHY do immigrants own inner-city stores? (Marcus) 8:40
WHY economies grow (Schavey) 11:47–50
WHY Social Security is popular (Macaulay) 9:10–13
WHY term limits? (Reed) 5:15–16
WICKSELL, Knut: a sesquicentennial appreciation (Ebeling) 12:37–42
WILL of the market? (Boudreaux) 4:4–5
WILL you name the car crash after us? (Levatter) 10:30
WILLIAMS, Walter E
The pursuit of happiness column
Lifestyle nazi update. 7:63–64
Peaceable conflict resolution. 10:63–64
Racial profiling. 4:63–64
What should one do? 1:63–64
WILSON, Thomas M.
An aristocracy of pull? 8:18–21
WINNERS and losers in the transfer game (Westley) 9:45–47
WIRE and rails: comparing the web and railroads (Schweikart) 12:22–26
WOMEN
Gender madness on Columbia's campus (McElroy) 3:40–44
Politicizing the housewife (McElroy) 11:26–30
WONDERS in perspective (Boudreaux) 6:4–5
WOODS, Thomas E. Jr.
A myth shattered: Mises, Hayek, and the industrial revolution. 11:42–44
WOODS, Tiger: Tiger-nomics: glorious competition (Keating) 2:34–35
WOOSTER, Martin Morse. *See* book reviews (Page and Simmons)
WORKING-family gibberish (Mixon and Stephenson) 1:21–22

Y-Z

YOU'VE got mail—and now we have it too (Young) 8:48–51
YOUNG, Adam
You've got mail—and now we have it too. 8:48–51
YOUNG, Anthony
Powel Crosley—America's forgotten entrepreneur. 10:48–51
YOUR one-stop source for sound economics (Skousen) 2:53–54
YOUTH
Anti-capitalist children of capitalism (Moseley) 3:14–16
Luckiest generation (Cox and Alm) 3:8–11
ZONING
Adventures in zoning (Morriss) 7:35–37
ZYWICKI, Todd. *See* book reviews (Wright)

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BOOKS

(Reviewer's name in parentheses)

ADAMS, Charles. When in the course of human events: the case for southern secession (Stromberg) 12:48–49

BAKER, Dean and Weisbrot, Mark. Social Security: the phony crisis (Biggs) 1:56–57

BALLING, Robert C. (co-author). *See* Michaels

BAMBERGER, Michael A. Reckless legislation: how lawmakers ignore the constitution (Leef) 10: 59–60

BAUER, Peter. From subsistence to exchange and other essays (Depken) 6:56–57

BEITO, David T. From mutual aid to the welfare state (Lotchin) 4:58–59

BELL, Art and Strieber, Whitley. The coming global superstorm (Michaels) 3:60–61

BERNSTEIN, Peter. The power of gold: the history of an obsession (Parks) 11:60–61

BOVARD, James. "Feeling your pain": the explosion and abuse of government power in the Clinton-Gore years (Leef) 9:55–56

BRADLEY, Robert L., Jr. Julian Simon and the triumph of energy sustainability (Fulmer) 7:56–57

BRODSKY, Alyn. Grover Cleveland: a study in character (Reed) 5:61–62

CARPENTER, Ted Galen. NATO's empty victory (Merry) 3:58–60

COURTOIS, Stéphane, et. al. The black book of communism: crimes, terror, repression (Balaker) 1:55–56

COWEN, Tyler. What price fame? (Boudreaux) 5:55–56

CULVER, John C. and Hyde, John. American dreamer: a life of Henry A. Wallace (Folsom) 9:61–62

DUANY, Andres, Plater-Zyberk, Elizabeth, and Speck, Jeff. Suburban nation: the rise of sprawl and the decline of the American dream (Shaw) 6:59–61

EBELING, Richard M. Human action: a 50-year tribute (Greaves) 10:56–57

EDELL, Dean, M.D. Eat, drink and be merry: America's doctor tells you why the health experts are wrong (Stampul) 2:61–62

EDMONDS, Thomas N. (co-author). *See* Keating

ELDER, Larry. The ten things you can't say in America (Peterson) 10:60–61

ESMAN, Milton J. Government works: why Americans need the Feds (Leef) 5:58–60

FELDMAN, Roger. American health care (Cangello) 8:57–58

FINN, Chester, Manno, Bruno, and Vanourek, Greg. Charter schools in action (Coulson) 4:55–56

FITZPATRICK, Sheila. Everyday Stalinism: ordinary life in extraordinary times: Soviet Russia in the 1930s (Cline) 2:57–58

FRANK, Thomas. One market under God: extreme capitalism, market populism, and the end of economic democracy (Doherty) 12:50–51

FRIEDMAN, David D. Law's order: what economics has to do with law and why it matters (Baird) 3:55–56

GEISST, Charles R. Monopolies in America: empire builders, and their enemies, from Jay Gould to Bill Gates (Folsom) 4:56–57

GILLON, Steven M. "That's not what we meant to do": reform and its unintended consequences to twentieth-century America (Murray) 7:61–62

HENIG, Jeffrey R.; Hula, Richard C.; Orr, Marion; and Pedescleaux, Desiree S. The color of school reform: race, politics and the challenge of urban education (Moo) 2:60–61

HORWITZ, Steven. Microfoundations and macroeconomics: an Austrian perspective (Callahan) 12:46–47

HUBER, Peter. Hard green: saving the environment from the environmentalists—a conservative manifesto (Bast) 2:55–56

HUDGINS, Edward L. Mail at the millennium: will the postal service go private? (Leef) 11:58–60

HULA, Richard C. (co-author). *See* Henig

HYDE, John (co-author). *See* Culver

HYMOWITZ, Kay S. Ready or not: what happens when we treat children as small adults (Roback Morse) 5:60–61

JAY, Peter. The wealth of man (Littmann) 11:57–58

KEATING,Raymond J. and Edmonds, Thomas N. U.S. by the numbers: figuring what's left, right, and wrong with America state by state (Peterson) 6:58–59

KIRZNER, Israel M. The driving force of the market: essays in Austrian economics (Sautet) 11:55–56

LANG, Harry G. A phone of our own: the deaf insurrection against Ma Bell (Morriss) 8:61–62

LIPSET, Martin and Marks, Gary. It didn't happen here: why socialism failed in the United States (Leef) 12:45–46

MACHAN, Tibor. Education in a free society (Palasek) 12:47–48

MANNO, Bruno (co-author). *See* Finn

MARKS, Gary (co-author). *See* Lipset

MARTIN, Justin. Greenspan—the man behind money (Franco) 9:57–58

McWHORTER, John H. Losing the race: self-sabotage in black America (Connerly) 8:55–56

MICHAELS, Patrick J. and Balling, Robert C. The satanic gases: clearing the air about global warming (Cohen) 10:61–62

MILLER, Henry I. To America's health: a proposal to reform the Food and Drug Administration (Klein) 7:57–58

MILLER, James C. III. Monopoly politics (Batemarco) 2:56–57

MITCHELL, Richard. The graves of academe (Leef) 3:57–58

MOSLEY, Walter. Workin' on the chain gang: shaking off the dead hand of history (Stephenson) 6:61–62

NEUSNER, Jacob and Noam M.M. Reaffirming higher education (Leef) 8:59–60

ORR, Marion (co-author). *See* Henig

PADFIELD, Peter. Maritime supremacy and the opening of the Western mind (Leef) 2:58–59

PAGE, Benjamin I. and Simmons, James R. What government can do—dealing with poverty and inequality (Wooster) 10:58–59

PEDESCLEAUX, Desiree S. (co-author). *See* Henig

PILON, Roger. The rule of law in the wake of Clinton (Leef) 4:57–58

PLATER-ZYBERK, Elizabeth (co-author). *See* Duany

PORTER, Michael E., Takeuchi, Hirotaka, and Sakakibara, Mariko. Can Japan compete? (Matheson) 11:61–62

POWELL, Jim. The triumph of liberty (Hood) 5:57–58

RAUCH, Jonathan. Government's end: why Washington stopped working (Murray) 1:61–62

RAVITCH, Diane. Left back: a century of failed school reforms (Holland) 9:60–61

RICHARDS, David A.J. Free speech and the politics of identity (Dent) 5:56–57

ROBERTS, Paul Craig and Stratton, Lawrence M. The tyranny of good intentions (Leef) 6:57–58

ROBERTSON, Brian C. There's no place like work (Batemarco) 8:56–57

ROSEN Jeffrey. The unwanted gaze: the destruction of privacy in America (Cohen) 8:58–59

ROTHBARD, Murray. America's great depression (Garrison) 9:56–57

_____. Egalitarianism as a revolt against nature and other essays (Leef) 7:59–60

SAKAKIBARA, Mariko (co-author). *See* Porter

SCIABARRA, Chris Matthew. Total freedom: toward a dialectical libertarianism (Otteson) 10:57–58

SELF, Peter. Rolling back the market: economic dogma and political choice (Mallinger) 12:51–52

SHAWCROSS, William. Deliver us from evil: peacekeepers, warlords and a world of endless conflict (Bandow) 6:55–56

SHILLER, Robert J. Irrational exuberance (Littmann) 7:60–61

SHULMAN, Seth. Owning the future (Fulda) 1:57–59

SIMMONS, Richard (co-author). *See* Page

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SKOUSEN, Mark. Economic logic (Cleveland) 3:56–57
SMITH, Tara. Viable values: a study of life as the root and reward of morality (Skoble) 4:59–61
SOMMERS, Christina Hoff. The war against boys: how misguided feminism is harming our young men (Leef) 1:59–60
SOROS, George. Open society: reforming global capitalism (Lemieux) 9:58–60
SOWELL, Thomas. Basic economics: a citizen's guide to the economy (Meiners) 11:56–57
SPECK, Jeff (co-author). *See* Duany
STRATTON, Lawrence M. (co-author). *See* Roberts
STRIEBER, Whitley (co-author). *See* Bell
SZASZ, Thomas. Fatal freedom: the ethics and politics of suicide (Levatter) 1:60–61
TAKEUCHI, Hirotaka (co-author). *See* Porter
VANOUREK, Greg (co-author). *See* Finn
WEISBROT, Mark (co-author). *See* Baker
WHEEN, Francis. Karl Marx: a life (Flew) 7:55–56
WILLS, Garry. A necessary evil: a history of American distrust of government (Stromberg) 3:61–62
WRIGHT, Robert. Nonzero: the logic of human destiny (Zywicki) 4:61–62

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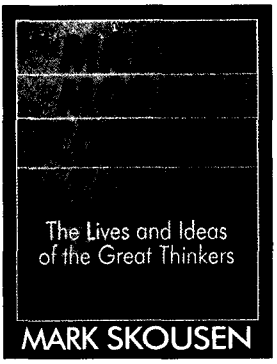

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